

HUMBER BAY CIRCULATION

DATA REPORT

February 1987

Balbir Kohli  
Great Lakes Section  
Water Resources Branch  
Ontario Ministry of the Environment

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## HUMBER BAY CIRCULATION

### DATA REPORT

Six current instruments were operated in Humber Bay from May 1983 to May 1984 to gather water movement data to be used for relocation and design of a new Humber Sewage Treatment Plant (STP) outfall and for modelling of the bay to assess impacts of the outfall and river discharges on the nearby beaches.

This report presents the detailed data summaries only, while the data interpretation has been reported separately by Kohli (1986).

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Kohli, B. 1986. Humber Bay Circulation 1983-84. Ontario Ministry of the Environment, Toronto, Ontario, 42 p.

Table 1 : Temperature Frequency, Humber Bay, Lake Ontario, 1983

Temperature Range °C	Location									
	0306			0307			0308			
	Aug	Sep	Oct	Aug	Sep	Oct	Jul	Aug	Sep	Oct
0.0 - 4.9										
5.0 - 5.9		2.3			0.1		0.9		0.1	
6.0 - 6.9		9.8			4.2		5.0		4.5	
7.0 - 7.9		7.5	7.8		9.1	2.6	15.0		6.0	2.9
8.0 - 8.9		10.7	11.4		6.8	10.1	14.9		12.0	5.4
9.0 - 9.9		11.4	31.7		14.4	30.7	4.4	0.5	15.3	18.6
10.0 - 10.9		8.9	2.2		12.7	4.3	5.7	1.6	11.8	3.3
11.0 - 11.9		5.0	0.9		4.1	3.4	10.2	3.7	5.1	4.0
12.0 - 12.9		3.7	12.6		5.7	13.8	14.2	2.8	2.8	17.6
13.0 - 13.9		1.1	21.2		2.3	20.7	9.6	2.5	3.1	31.3
14.0 - 14.9		6.8	12.2		5.9	14.4	7.6	2.6	5.4	16.9
15.0 - 15.9		1.8			2.2		8.3	4.5	2.4	
16.0 - 16.9	0.9	4.5			3.3		3.0	3.1	2.1	
17.0 - 17.9	2.7	4.3		0.3	5.8		1.2	9.6	7.5	
18.0 - 18.9	2.7	5.6		2.8	4.4			4.0	3.5	
19.0 - 19.9	11.6	1.3		7.8	0.6			10.6	0.8	
20.0 - 20.9	27.1	1.6		25.1	1.1			26.0	0.5	
21.0 - 21.9	35.3	6.2		25.8	5.3			20.0	5.8	
22.0 - 22.9	16.8	6.3		25.6	11.6			6.2	11.0	
23.0 - 23.9	2.2	1.2		12.1	0.4			2.3	0.3	
24.0 - 24.9	0.7			0.5						
25.0 - 100.0										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Monthly Mean °C	21.0	12.9	11.1	21.5	13.5	11.5	11.1	19.0	13.3	12.1
Monthly Std. Dev. °C	1.3	5.3	2.3	1.3	5.2	2.1	3.0	3.2	5.2	2.0

Table 1 cont'd : Temperature Frequency, Humber Bay, Lake Ontario, 1983

Temperature Range °C	Location												
	0309					0310			0311				
	Jul	Aug	Sep	Oct	Nov	Aug	Sep	Oct	Aug	Sep	Oct	Nov	Dec
0.0 - 3.9													4.8
4.0 - 4.9													95.2
5.0 - 5.9			1.0		1.8		0.3			4.4			
6.0 - 6.9			4.9	0.1	17.5		5.9			9.1	2.8	23.9	
7.0 - 7.9			10.5	2.9	50.8		11.2	2.4		13.9	5.8	50.9	
8.0 - 8.9		0.3	15.8	8.7	20.5		12.0	6.0		11.8	11.2	15.2	
9.0 - 9.9	5.9	2.0	16.2	43.9	9.4		14.8	33.6		10.5	41.2	10.0	
10.0 - 10.9	16.8	3.5	3.1	3.3			7.1	5.7		4.7	0.8		
11.0 - 11.9	26.0	3.8	2.9	1.8			4.3	4.0		2.7	2.0		
12.0 - 12.9	12.6	2.2	3.8	10.4			3.1	11.3		3.2	12.3		
13.0 - 13.9	14.8	4.8	2.9	17.6			2.5	23.9		2.5	15.3		
14.0 - 14.9	10.8	4.1	7.0	11.3			5.6	13.1	0.5	6.2	8.6		
15.0 - 15.9	11.7	2.1	2.0				1.4		2.1	2.4			
16.0 - 16.9	0.9	2.2	5.6				3.2		0.8	6.7			
17.0 - 17.9	0.5	7.9	7.8				5.8		2.2	5.2			
18.0 - 18.9		7.4	3.2			2.2	4.3		4.1	4.0			
19.0 - 19.9		15.0	2.5			10.8	1.5		17.7	3.1			
20.0 - 20.9		20.3	4.0			31.4	1.5		28.1	2.8			
21.0 - 21.9		20.7	3.5			31.0	9.3		44.5	6.8			
22.0 - 22.9		3.0	3.3			20.7	6.2						
23.0 - 23.9		0.7				3.9							
24.0 - 100.0													
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Monthly Mean °C	12.5	18.4	12.6	11.0	7.7	21.2	13.0	11.5	20.4	12.1	10.6	7.6	5.4
Monthly Std. Dev. °C	1.8	3.5	4.9	2.1	0.8	1.3	5.2	2.0	1.3	5.0	2.2	0.8	0.3

TABLE 2.01

LOCATION CODE : 306  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : MAY 1983  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	1.99	5.94	4.15	6.04	10.93	6.99	5.89	5.36	3.21	48.50	
2.00 --	2.99	3.57	3.52	3.26	1.10	0.84	1.47	1.89	3.63	19.29	
3.00 --	3.99	1.26	1.94	2.00	0.32	0.79	0.74	1.89	2.57	11.51	
4.00 --	4.99	0.21	0.84	1.89	0.58	0.37	0.47	1.84	0.63	6.83	
5.00 --	5.99	0.26	0.05	1.84	0.47	0.00	0.26	1.42	0.68	4.99	
6.00 --	6.99	0.32	0.32	1.10	0.21	0.16	0.11	1.05	0.42	3.68	
7.00 --	7.99	0.00	0.26	0.84	0.11	0.21	0.05	0.79	0.11	2.36	
8.00 --	13.80	0.00	0.11	2.05	0.53	0.00	0.00	0.11	0.05	2.84	
COLUMN SUMS		11.56	11.19	19.02	14.24	9.35	8.99	14.35	11.30	100.00	

RESULTANT CURRENT IS 0.39 CM/S AT 67. DEG. FROM MAG. NORTH      TOTAL NO. OF POINTS 1903  
 MEAN CURRENT IS 2.90 CM/S      PERSISTANCE IS 0.14  
 MAXIMUM CURRENT IS 13.80 CM/S      READINGS TAKEN EVERY 20.0 MINS.  
 MINIMUM CURRENT IS 1.50 CM/S

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 12.40 HRS. ON 5 TH DAY OF MAY 1983  
 ENDED AT 23.40 HRS. ON 31 TH DAY OF MAY 1983

TABLE 2.02

LOCATION CODE : 306  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : JUN 1983  
 LATITUDE : 43 37 59 N  
 LONGITUDE: 79 27 15 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

	DIRECTION					IN DEGREES					
SPEED(CM/S)	337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS		
1.50 --	3.99	5.32	2.87	4.54	10.88	9.63	14.03	21.30	11.53	80.09	
4.00 --	5.99	0.56	0.74	0.65	1.76	0.93	1.11	3.24	1.85	10.83	
6.00 --	7.99	0.09	0.00	0.19	0.09	0.32	0.42	2.64	0.97	4.72	
8.00 --	9.99	0.14	0.23	0.14	0.09	0.00	0.46	0.97	0.28	2.31	
10.00 --	11.99	0.00	0.00	0.00	0.00	0.00	0.28	1.02	0.14	1.44	
12.00 --	13.99	0.00	0.00	0.00	0.00	0.00	0.09	0.14	0.00	0.23	
14.00 --	15.99	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.19	
16.00 --	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.19	
COLUMN SUMS	6.11	3.84	5.51	12.82	10.88	16.39	29.68	14.77	100.00		

RESULTANT CURRENT IS 1.18 CM/S AT 258. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 2.75 CM/S  
 MAXIMUM CURRENT IS 17.60 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 2160  
 PERSISTANCE IS 0.43  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 0.00 HRS. ON 1 TH DAY OF JUN 1983  
 ENDED AT 23.40 HRS. ON 30 TH DAY OF JUN 1983

TABLE 2.03

LOCATION CODE : 306

AREA : HUMBER BAY

LAKE : L. ONT.

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

PERIOD : JUN 1983

LATITUDE : 43 37 59 N

LONGITUDE: 79 27 15 W

## FREQUENCY TABLE

		DIRECTION				IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	3.99	2.36	2.70	4.27	9.33	7.87	9.33	16.63	8.88	61.35
4.00 --	5.99	0.90	1.80	1.35	2.58	2.13	2.36	6.07	3.03	20.22
6.00 --	7.99	0.22	0.00	0.45	0.22	0.79	1.01	4.04	2.02	8.76
8.00 --	9.99	0.34	0.56	0.34	0.22	0.00	1.12	1.91	0.67	5.17
10.00 --	11.99	0.00	0.00	0.00	0.00	0.00	0.67	2.13	0.22	3.03
12.00 --	13.99	0.00	0.00	0.00	0.00	0.00	0.22	0.34	0.00	0.56
14.00 --	15.99	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45
16.00 --	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45
COLUMN SUMS		3.82	5.06	6.40	12.36	10.79	14.72	32.02	14.83	100.00

RESULTANT CURRENT IS 1.72 CM/S AT 259. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.87 CM/S  
 MAXIMUM CURRENT IS 17.60 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 890  
 PERSISTANCE IS 0.45  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 15.28 HRS. ON 18 TH DAY OF JUN 1983  
 ENDED AT 23.40 HRS. ON 30 TH DAY OF JUN 1983



TABLE 2.04

LOCATION CODE : 306  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : JUL 1983  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	5.65	3.22	0.88	2.83	2.63	12.57	28.56	12.77	69.10	
4.00 --	5.99	1.27	0.88	0.00	0.00	0.10	1.75	6.04	2.34	12.38	
6.00 --	7.99	0.10	0.00	0.00	0.00	0.10	0.68	4.97	2.83	8.67	
8.00 --	9.99	0.00	0.00	0.00	0.00	0.10	0.19	4.78	1.85	6.92	
10.00 --	11.99	0.00	0.00	0.00	0.00	0.00	0.49	0.88	0.39	1.75	
12.00 --	13.99	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.29	0.78	
14.00 --	15.99	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.19	
16.00 --	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.19	
COLUMN SUMS		7.02	4.09	0.88	2.83	2.92	15.69	46.10	20.47	100.00	

RESULTANT CURRENT IS 2.73 CM/S AT 279. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.55 CM/S  
 MAXIMUM CURRENT IS 17.00 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1026  
 PERSISTANCE IS 0.77  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 18.03 HRS. ON 17 TH DAY OF JUL 1983  
 ENDED AT 23.40 HRS. ON 31 TH DAY OF JUL 1983

TABLE 2.05

LOCATION CODE : 306  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : JUL 1983  
 LATITUDE : 43 37 59 N  
 LONGITUDE: 79 27 15 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

			DIRECTION				IN DEGREES					
SPEED(CM/S)			337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW	SUMS
1.50	--	3.99	7.53	5.87	1.66	3.41	5.11	12.77	25.85	13.62	75.81	
4.00	--	5.99	0.99	0.63	0.27	0.31	0.81	1.39	4.88	2.60	11.87	
6.00	--	7.99	0.09	0.00	0.00	0.09	0.36	0.54	4.57	1.48	7.12	
8.00	--	9.99	0.00	0.00	0.00	0.13	0.09	0.31	2.42	0.90	3.85	
10.00	--	11.99	0.00	0.00	0.00	0.00	0.00	0.22	0.40	0.18	0.81	
12.00	--	13.99	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.13	0.36	
14.00	--	15.99	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09	
16.00	--	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09	
COLUMN SUMS			8.60	6.50	1.93	3.94	6.36	15.23	38.53	18.91	100.00	

RESULTANT CURRENT IS 1.93 CM/S AT 277. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.03 CM/S  
 MAXIMUM CURRENT IS 17.00 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 2232  
 PERSISTANCE IS 0.63  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 0.00 HRS. ON 1 TH DAY OF JUL 1983  
 ENDED AT 23.40 HRS. ON 31 TH DAY OF JUL 1983

TABLE 2.06

LOCATION CODE : 306  
 AREA : HUMBER BAY  
 LAKE : L. ONT.  
 PERIOD : AUG 1983  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

	DIRECTION								IN DEGREES	
SPEED(CM/S)	337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	4.71	2.22	2.67	1.24	3.38	8.71	21.60	13.33	57.87
4.00 --	5.99	1.60	1.78	0.18	0.36	0.98	1.69	5.69	4.18	16.44
6.00 --	7.99	0.18	0.98	0.80	0.27	0.36	0.98	3.47	2.22	9.24
8.00 --	9.99	0.18	0.36	0.36	0.00	0.00	0.27	2.76	1.24	5.16
10.00 --	11.99	0.00	0.09	0.36	0.00	0.00	0.00	2.84	1.60	4.89
12.00 --	13.99	0.00	0.36	0.18	0.00	0.00	0.00	1.42	0.80	2.76
14.00 --	15.99	0.00	0.27	0.71	0.00	0.00	0.00	1.33	0.18	2.49
16.00 --	17.30	0.00	0.09	0.18	0.00	0.00	0.00	0.89	0.00	1.16
COLUMN SUMS	6.67	6.13	5.42	1.87	4.71	11.64	40.00	23.56	100.00	

RESULTANT CURRENT IS 2.64 CM/S AT 287. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.65 CM/S  
 MAXIMUM CURRENT IS 17.30 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1125  
 PERSISTANCE IS 0.57  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 0.00 HRS. ON 1 TH DAY OF AUG 1983  
 ENDED AT 13.40 HRS. ON 16 TH DAY OF AUG 1983

TABLE 2.07

LOCATION CODE : 306  
 AREA : HUM. BAY-BLVD. CLUB  
 LAKE : L.ONT  
 PERIOD : AUG 1983  
 LATITUDE : 43 37 59 W  
 LONGITUDE: 79 27 15 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.12 --	2.49	6.27	8.09	4.36	1.27	1.64	7.18	11.64	13.73	54.18	
2.50 --	3.86	1.09	1.45	1.00	0.55	0.27	0.91	2.73	4.09	12.09	
3.87 --	5.24	1.00	1.27	0.91	0.73	0.27	1.27	4.09	3.82	13.36	
5.25 --	6.62	0.64	0.55	1.82	0.18	0.18	0.91	2.27	2.09	8.64	
6.63 --	8.00	0.00	0.36	2.45	0.64	0.09	0.27	1.82	0.73	6.36	
8.01 --	9.37	0.09	0.18	0.73	0.73	0.00	0.18	1.09	0.45	3.45	
9.38 --	10.75	0.00	0.00	0.36	0.18	0.00	0.18	0.45	0.55	1.73	
10.76 --	12.14	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.18	
COLUMN SUMS		9.09	11.91	11.64	4.27	2.45	10.91	24.27	25.45	100.00	

RESULTANT CURRENT IS 0.96 CM/S AT 306. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.33 CM/S  
 MAXIMUM CURRENT IS 12.14 CM/S  
 MINIMUM CURRENT IS 1.12 CM/S  
 TOTAL NO. OF POINTS 1100  
 PERSISTANCE IS 0.29  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 1736.0 HRS. ON 16 TH DAY OF AUG 1983  
 ENDED AT 2356.0 HRS. ON 31 TH DAY OF AUG 1983

TABLE 2.08

LOCATION CODE : 306  
 AREA : HUM. BAY-BLVD. CLUB  
 LAKE : L.ONT  
 PERIOD : SEP 1983  
 LATITUDE : 43 37 59 W  
 LONGITUDE: 79 27 15 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.61	12.31	4.91	3.43	1.99	1.39	4.49	16.02	19.95	64.49	
3.62 --	5.72	0.83	1.30	1.34	0.56	0.74	1.25	5.74	6.11	17.87	
5.73 --	7.84	0.09	0.23	1.06	0.09	0.19	0.97	4.95	2.22	9.81	
7.85 --	9.96	0.00	0.00	0.19	0.00	0.05	0.51	3.56	0.74	5.05	
9.97 --	12.08	0.00	0.00	0.00	0.00	0.00	0.09	0.69	0.32	1.11	
12.09 --	14.19	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.09	0.56	
14.20 --	16.31	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.05	0.65	
16.32 --	18.44	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.14	0.46	
COLUMN SUMS		13.24	6.44	6.02	2.64	2.36	7.31	32.36	29.63	100.00	

RESULTANT CURRENT IS	2.19 CM/S AT 290. DEG. FROM MAG. NORTH	TOTAL NO. OF POINTS	2160
MEAN CURRENT IS	3.53 CM/S	PERSISTANCE IS	0.62
MAXIMUM CURRENT IS	18.44 CM/S	READINGS TAKEN EVERY	20.0 MINS.
MINIMUM CURRENT IS	1.50 CM/S		

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 16.0 HRS. ON 1 TH DAY OF SEP 1983  
 ENDED AT 2356.0 HRS. ON 30 TH DAY OF SEP 1983

TABLE 2.09

LOCATION CODE : 306  
 AREA : HUM. BAY-BLVD. CLUB  
 LAKE : L.ONT  
 PERIOD : OCT 1983  
 LATITUDE : 43 37 59 W  
 LONGITUDE: 79 27 15 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES					
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW	SUMS
1.50 --	4.17	5.73	8.65	9.41	4.38	2.38	2.92	8.81	10.32	52.59	
4.18 --	6.84	1.57	2.81	4.43	2.76	0.65	0.86	6.54	4.97	24.59	
6.85 --	9.52	0.49	0.97	3.89	1.30	0.70	0.65	5.30	2.70	16.00	
9.53 --	12.20	0.16	0.32	1.24	0.38	0.00	0.05	1.62	0.54	4.32	
12.21 --	14.88	0.00	0.00	0.38	0.59	0.05	0.00	0.65	0.05	1.73	
14.89 --	17.55	0.00	0.00	0.16	0.38	0.00	0.00	0.00	0.00	0.54	
17.56 --	20.23	0.00	0.00	0.05	0.11	0.00	0.00	0.00	0.00	0.16	
20.24 --	22.92	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	
COLUMN SUMS		8.00	12.76	19.57	9.89	3.78	4.49	22.92	18.59	100.00	

RESULTANT CURRENT IS 0.58 CM/S AT 329. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.73 CM/S  
 MAXIMUM CURRENT IS 22.92 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1850  
 PERSISTANCE IS 0.12  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 16.0 HRS. ON 1 TH DAY OF OCT 1983  
 ENDED AT 1636.0 HRS. ON 26 TH DAY OF OCT 1983

TABLE 2.10

LOCATION CODE : 306  
 AREA : HUMBER BOULEVARD  
 LAKE : L. ONT.  
 PERIOD : NOV 1983  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	6.67	7.08	10.63	4.17	2.99	4.03	5.42	8.19	49.17	
4.00 --	5.99	2.85	0.97	4.51	1.39	0.35	0.42	1.94	4.58	17.01	
6.00 --	7.99	1.18	0.42	4.44	1.04	0.21	0.49	1.11	1.53	10.42	
8.00 --	9.99	0.28	0.56	4.86	3.06	0.83	0.56	0.83	0.62	11.60	
10.00 --	11.99	0.07	0.28	2.22	1.46	0.21	0.21	0.42	0.21	5.07	
12.00 --	13.99	0.00	0.14	1.74	1.39	0.00	0.07	0.28	0.14	3.75	
14.00 --	15.99	0.00	0.00	0.90	0.28	0.07	0.07	0.07	0.00	1.39	
16.00 --	19.23	0.07	0.07	0.14	0.21	0.28	0.35	0.28	0.21	1.60	
COLUMN SUMS		11.11	9.51	29.44	12.99	4.93	6.18	10.35	15.49	100.00	

RESULTANT CURRENT IS 1.62 CM/S AT 92. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.20 CM/S  
 MAXIMUM CURRENT IS 19.23 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1440  
 PERSISTANCE IS 0.31  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 18 HRS. ON 1 TH DAY OF NOV 1983  
 ENDED AT 2348 HRS. ON 30 TH DAY OF NOV 1983

TABLE 2.11

LOCATION CODE : 306  
 AREA : HUMBER BOULEVARD  
 LAKE : L. ONT.  
 PERIOD : DEC 1983  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

SPEED(CM/S)	DIRECTION					IN DEGREES				
	337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	3.43	6.79	11.69	3.09	0.40	0.87	0.54	1.21	28.02
4.00 --	5.99	1.75	1.08	9.95	2.42	0.27	0.20	0.81	2.35	18.82
6.00 --	7.99	0.40	0.74	12.77	3.23	0.20	0.07	1.48	1.48	20.36
8.00 --	9.99	0.07	0.87	7.06	1.95	0.00	0.13	0.67	0.81	11.56
10.00 --	11.99	0.07	0.20	4.70	2.28	0.07	0.20	1.34	0.54	9.41
12.00 --	13.99	0.07	0.20	2.96	1.61	0.07	0.47	1.34	0.13	6.85
14.00 --	15.99	0.07	0.20	1.28	0.54	0.20	0.20	1.14	0.34	3.97
16.00 --	17.83	0.00	0.00	0.20	0.40	0.00	0.07	0.13	0.20	1.01
COLUMN SUMS	5.85	10.08	50.60	15.52	1.21	2.22	7.46	7.06	100.00	

RESULTANT CURRENT IS 3.47 CM/S AT 96. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.76 CM/S  
 MAXIMUM CURRENT IS 17.83 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.51  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 18 HRS. ON 1 TH DAY OF DEC 1983  
 ENDED AT 2348 HRS. ON 31 TH DAY OF DEC 1983



TABLE 2.12

LOCATION CODE : 306  
 AREA : HUMBER BOULEVARD  
 LAKE : L. ONT.  
 PERIOD : JAN 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	10.01	15.19	17.34	3.56	0.94	2.42	2.89	1.61	53.97	
4.00 --	5.99	1.14	2.69	8.67	3.02	0.54	1.28	1.75	0.81	19.89	
6.00 --	7.99	0.00	0.34	5.31	1.41	0.47	0.47	1.81	0.74	10.55	
8.00 --	9.99	0.13	0.07	3.56	1.14	0.20	0.13	1.14	0.74	7.12	
10.00 --	11.99	0.40	0.00	2.96	0.60	0.07	0.13	0.60	0.47	5.24	
12.00 --	13.99	0.00	0.07	0.40	0.40	0.07	0.13	0.34	0.13	1.55	
14.00 --	15.99	0.00	0.07	0.40	0.40	0.07	0.00	0.07	0.00	1.01	
16.00 --	18.02	0.00	0.00	0.20	0.07	0.07	0.13	0.20	0.00	0.67	
COLUMN SUMS		11.69	18.41	38.84	10.62	2.42	4.70	8.80	4.50	100.00	

RESULTANT CURRENT IS 2.03 CM/S AT 87. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.75 CM/S  
 MAXIMUM CURRENT IS 18.02 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.43  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 18 HRS. ON 1 TH DAY OF JAN 1984  
 ENDED AT 2348 HRS. ON 31 TH DAY OF JAN 1984

TABLE 2.13

LOCATION CODE : 306  
 AREA : HUMBER BOULEVARD  
 LAKE : L. ONT.  
 PERIOD : FEB 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	12.36	13.86	5.53	3.23	2.73	3.66	13.29	13.65	68.32	
4.00 --	5.99	1.72	2.73	3.30	1.51	0.00	0.65	3.74	2.95	16.59	
6.00 --	7.99	0.36	0.93	2.30	0.50	0.22	0.22	1.72	1.01	7.26	
8.00 --	9.99	0.14	0.07	0.50	0.36	0.00	0.22	0.57	0.29	2.16	
10.00 --	11.99	0.14	0.43	0.36	0.29	0.07	0.00	0.57	0.43	2.30	
12.00 --	13.99	0.22	0.22	0.29	0.00	0.07	0.07	0.07	0.14	1.08	
14.00 --	15.99	0.43	0.14	0.36	0.07	0.00	0.14	0.07	0.22	1.44	
16.00 --	17.09	0.22	0.22	0.14	0.07	0.00	0.07	0.07	0.07	0.86	
COLUMN SUMS		15.59	18.61	12.79	6.03	3.09	5.03	20.11	18.75	100.00	

RESULTANT CURRENT IS 1.05 CM/S AT 2. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.59 CM/S  
 MAXIMUM CURRENT IS 17.09 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1392  
 PERSISTANCE IS 0.29  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 18 HRS. ON 1 TH DAY OF FEB 1984  
 ENDED AT 2348 HRS. ON 29 TH DAY OF FEB 1984

TABLE 2.14

LOCATION CODE : 306  
 AREA : HUMBER BOULEVARD  
 LAKE : L. ONT.

PERIOD : MAR 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE: 79 27 15 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	8.81	14.32	14.26	2.56	0.00	0.40	2.76	6.32	49.43	
4.00 --	5.99	3.90	4.64	5.04	0.07	0.00	0.13	1.68	5.38	20.85	
6.00 --	7.99	0.47	1.28	3.30	0.40	0.27	0.54	1.34	0.81	8.41	
8.00 --	9.99	0.47	1.61	4.51	1.41	0.20	0.87	1.55	1.61	12.24	
10.00 --	11.99	0.67	0.40	2.69	1.01	0.13	0.20	0.47	0.40	5.99	
12.00 --	13.99	0.00	0.00	0.27	0.54	0.07	0.07	0.20	0.27	1.41	
14.00 --	15.99	0.00	0.00	0.20	0.34	0.07	0.13	0.00	0.00	0.74	
16.00 --	18.77	0.00	0.07	0.13	0.40	0.20	0.07	0.07	0.00	0.94	
COLUMN SUMS		14.32	22.33	30.40	6.72	0.94	2.42	8.07	14.79	100.00	

RESULTANT CURRENT IS 1.83 CM/S AT 56. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.98 CM/S  
 MAXIMUM CURRENT IS 18.77 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1487  
 PERSISTANCE IS 0.37  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 18 HRS. ON 1 TH DAY OF MAR 1984  
 ENDED AT 2348 HRS. ON 31 TH DAY OF MAR 1984

TABLE 2.15

LOCATION CODE : 306  
 AREA : HUMBER BOULEVARD  
 LAKE : L. ONT.

PERIOD : APR 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES					
SPEED(CM/S)		337.50-	22.50-	67.50-	112.50-	157.50-	202.50-	247.50-	292.50-	ROW SUMS	
		22.49	67.49	112.49	157.49	202.49	247.49	292.49	337.49		
1.50	--	2.99	10.35	12.85	6.60	5.14	3.68	2.50	11.67	16.32	69.10
3.00	--	4.99	1.04	0.83	1.60	0.97	0.35	0.83	4.58	4.37	14.58
5.00	--	6.99	0.35	0.62	2.29	0.49	0.00	0.07	3.26	2.01	9.10
7.00	--	8.99	0.21	0.21	1.60	0.42	0.14	0.28	0.76	0.21	3.82
9.00	--	10.99	0.07	0.07	0.35	0.28	0.07	0.00	0.14	0.00	0.97
11.00	--	12.99	0.00	0.00	0.42	0.49	0.07	0.28	0.00	0.00	1.25
13.00	--	14.99	0.00	0.00	0.28	0.07	0.00	0.00	0.00	0.00	0.35
15.00	--	20.91	0.00	0.00	0.49	0.35	0.00	0.00	0.00	0.00	0.83
COLUMN SUMS		12.01	14.58	13.61	8.19	4.31	3.96	20.42	22.92	100.00	

RESULTANT CURRENT IS 0.47 CM/S AT 355. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.04 CM/S  
 MAXIMUM CURRENT IS 20.91 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1440  
 PERSISTANCE IS 0.15  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 18 HRS. ON 1 TH DAY OF APR 1984  
 ENDED AT 2348 HRS. ON 30 TH DAY OF APR 1984

TABLE 2.16

LOCATION CODE : 306  
 AREA : HUMBER BOULEVARD  
 LAKE : L. ONT.

PERIOD : MAY 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE: 79 27 15 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES			
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	2.99	17.60	27.86	20.90	2.93	0.09	1.10	3.02	7.33	80.84
3.00 --	3.99	0.27	2.38	3.76	0.18	0.00	0.18	0.82	0.82	8.43
4.00 --	4.99	0.18	1.19	1.74	0.00	0.00	0.00	0.73	1.74	5.59
5.00 --	5.99	0.18	0.55	0.64	0.00	0.00	0.00	0.09	0.18	1.65
6.00 --	6.99	0.00	0.00	0.73	0.09	0.00	0.00	0.00	0.00	0.82
7.00 --	7.99	0.09	0.09	1.47	0.09	0.00	0.00	0.00	0.00	1.74
8.00 --	8.99	0.00	0.09	0.55	0.09	0.00	0.00	0.00	0.00	0.73
9.00 --	9.62	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.18
COLUMN SUMS		18.33	32.17	29.97	3.39	0.09	1.28	4.67	10.08	100.00

RESULTANT CURRENT IS 1.35 CM/S AT 50. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 2.25 CM/S  
 MAXIMUM CURRENT IS 9.62 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1091  
 PERSISTANCE IS 0.60  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 18 HRS. ON 1 TH DAY OF MAY 1984  
 ENDED AT 1718 HRS. ON 23 TH DAY OF MAY 1984

TABLE 2.17

LOCATION CODE : 307  
 AREA : HUMBER BAY  
 LAKE : L. ONT.  
 PERIOD : MAY 1983  
 LATITUDE : 43 37 42 N  
 LONGITUDE : 79 27 59 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00 --	2.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00 --	3.99	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
4.00 --	4.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00 --	5.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00 --	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.00 --	7.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.00 --	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COLUMN SUMS		0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00

RESULTANT CURRENT IS 4.25 CM/S AT 279. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.25 CM/S  
 MAXIMUM CURRENT IS 13.50 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1618  
 PERSISTENCE IS 1.00  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 12.40 HRS. ON 9 TH DAY OF MAY 1983  
 ENDED AT 23.40 HRS. ON 31 TH DAY OF MAY 1983

TABLE 2.18

LOCATION CODE : 307  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : JUN 1983  
 LATITUDE : 43 37 42 N  
 LONGITUDE : 79 27 59 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

			DIRECTION				IN DEGREES				
SPEED(CM/S)			337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00 --	5.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00 --	7.99	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
8.00 --	9.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00 --	11.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.00 --	13.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.00 --	15.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.00 --	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COLUMN SUMS			0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00

RESULTANT CURRENT IS 3.61 CM/S AT 279. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.61 CM/S  
 MAXIMUM CURRENT IS 18.00 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 2160  
 PERSISTANCE IS 1.00  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 0.00 HRS. ON 1 TH DAY OF JUN 1983  
 ENDED AT 23.40 HRS. ON 30 TH DAY OF JUN 1983

TABLE 2.19

LOCATION CODE : 307  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : AUG 1983  
 LATITUDE : 43 37 42 N  
 LONGITUDE: 79 27 59 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00 --	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.00 --	9.99	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
10.00 --	12.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.00 --	15.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.00 --	18.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.00 --	21.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.00 --	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COLUMN SUMS		0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00

RESULTANT CURRENT IS 4.90 CM/S AT 279. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.89 CM/S  
 MAXIMUM CURRENT IS 22.40 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1122  
 PERSISTANCE IS 1.00  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 0.00 HRS. ON 1 TH DAY OF AUG 1983  
 ENDED AT 13.40 HRS. ON 16 TH DAY OF AUG 1983



TABLE 2.20

LOCATION CODE : 307  
 AREA : HUM. BAY-RIVER MOUTH  
 LAKE : L.ONT  
 PERIOD : AUG 1983  
 LATITUDE : 43 37 32 W  
 LONGITUDE: 79 27 59 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 35 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.40	7.34	3.90	1.27	2.63	4.26	4.35	5.98	6.44	36.17	
3.41 --	5.30	4.17	2.27	0.00	0.63	6.26	7.34	2.81	1.63	25.11	
5.31 --	7.21	2.27	2.27	0.27	0.27	3.35	5.98	2.27	1.18	17.86	
7.22 --	9.12	1.81	0.54	0.00	0.09	1.00	5.17	1.72	0.54	10.88	
9.13 --	11.03	0.63	0.18	0.00	0.00	0.54	4.53	1.18	0.36	7.43	
11.04 --	12.93	0.09	0.27	0.00	0.00	0.09	1.18	0.00	0.00	1.63	
12.94 --	14.84	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.82	
14.85 --	16.76	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09	
COLUMN SUMS		16.32	9.43	1.54	3.63	15.50	29.47	13.96	10.15	100.00	

RESULTANT CURRENT IS 2.08 CM/S AT 245. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.99 CM/S  
 MAXIMUM CURRENT IS 16.76 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1103  
 PERSISTANCE IS 0.42  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 1639.0 HRS. ON 16 TH DAY OF AUG 1983  
 ENDED AT 2359.0 HRS. ON 31 TH DAY OF AUG 1983

TABLE 2.21

LOCATION CODE : 307  
 AREA : HUM. BAY-RIVER MOUTH  
 LAKE : L.ONT  
 PERIOD : SEP 1983  
 LATITUDE : 43 37 32 W  
 LONGITUDE: 79 27 59 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 35 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.32	12.59	4.44	0.97	0.65	1.44	8.24	8.47	7.78	44.58	
4.33 --	7.16	5.60	2.64	0.28	0.14	2.82	7.73	6.20	5.37	30.79	
7.17 --	9.99	1.67	0.46	0.00	0.09	1.90	8.24	2.78	0.60	15.74	
10.00 --	12.83	0.09	0.14	0.00	0.09	0.65	3.06	1.34	0.14	5.51	
12.84 --	15.66	0.00	0.05	0.00	0.00	0.56	0.83	0.23	0.00	1.67	
15.67 --	18.50	0.00	0.09	0.00	0.00	0.00	0.46	0.00	0.00	0.56	
18.51 --	21.33	0.00	0.05	0.00	0.00	0.09	0.14	0.00	0.00	0.28	
21.34 --	24.18	0.00	0.00	0.00	0.00	0.14	0.74	0.00	0.00	0.88	
COLUMN SUMS		19.95	7.87	1.25	0.97	7.59	29.44	19.03	13.89	100.00	

RESULTANT CURRENT IS 2.77 CM/S AT 256. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.54 CM/S  
 MAXIMUM CURRENT IS 24.18 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 2160  
 PERSISTANCE IS 0.50  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 19.0 HRS. ON 1 TH DAY OF SEP 1983  
 ENDED AT 2359.0 HRS. ON 30 TH DAY OF SEP 1983

TABLE 2.22

LOCATION CODE : 307  
 AREA : HUM. BAY-RIVER MOUTH  
 LAKE : L.ONT  
 PERIOD : OCT 1983  
 LATITUDE : 43 37 32 W  
 LONGITUDE: 79 27 59 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 35 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION								IN DEGREES	
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.41	7.91	3.50	0.43	0.32	0.43	2.80	3.50	3.66	22.55	
3.42 --	5.34	1.94	1.35	0.38	0.00	0.81	3.39	2.64	1.35	11.84	
5.35 --	7.26	2.58	2.69	1.13	0.38	1.40	9.04	2.58	0.59	20.40	
7.27 --	9.19	1.02	1.99	0.97	0.97	2.37	8.99	0.75	0.86	17.92	
9.20 --	11.11	0.81	1.72	0.38	0.16	1.83	9.10	0.43	0.48	14.91	
11.12 --	13.04	0.38	0.59	0.27	0.00	1.24	5.22	0.59	0.38	8.67	
13.05 --	14.96	0.70	0.05	0.00	0.00	0.22	1.51	0.00	0.32	2.80	
14.97 --	16.90	0.43	0.00	0.00	0.00	0.00	0.32	0.00	0.16	0.91	
COLUMN SUMS		15.77	11.89	3.55	1.83	8.29	40.37	10.50	7.80	100.00	

RESULTANT CURRENT IS 2.82 CM/S AT 235. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.80 CM/S  
 MAXIMUM CURRENT IS 16.90 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1858  
 PERSISTANCE IS 0.41  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 19.0 HRS. ON 1 TH DAY OF OCT 1983  
 ENDED AT 1919.0 HRS. ON 26 TH DAY OF OCT 1983

TABLE 2.23

LOCATION CODE : 307

PERIOD : NOV 1983

AREA : HUMBER RIVER

LATITUDE : 43 37 32 N

LAKE : L. ONT.

LONGITUDE: 79 27 59 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 320 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	13.39	1.17	0.00	0.00	0.26	1.43	3.38	5.07	24.71	
5.00 --	7.99	5.20	2.21	0.13	0.00	0.00	0.65	2.86	7.15	18.21	
8.00 --	10.99	6.76	3.64	0.13	0.13	0.00	4.55	2.47	6.11	23.80	
11.00 --	13.99	2.86	1.30	0.26	0.00	0.13	5.46	4.16	3.90	18.08	
14.00 --	16.99	0.78	0.39	0.00	0.00	0.26	4.55	1.04	1.17	8.19	
17.00 --	19.99	0.00	0.00	0.00	0.00	0.13	2.47	0.26	0.00	2.86	
20.00 --	22.99	0.00	0.00	0.00	0.00	0.26	1.30	0.13	0.00	1.69	
23.00 --	27.07	0.00	0.00	0.00	0.00	0.26	1.95	0.26	0.00	2.47	
COLUMN SUMS		29.00	8.71	0.52	0.13	1.30	22.37	14.56	23.41	100.00	

RESULTANT CURRENT IS 4.70 CM/S AT 288. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 9.34 CM/S  
 MAXIMUM CURRENT IS 27.07 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 769  
 PERSISTANCE IS 0.50  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 23.47 HRS. ON 14 TH DAY OF NOV 1983  
 ENDED AT 23.47 HRS. ON 30 TH DAY OF NOV 1983

TABLE 2.24

LOCATION CODE : 307

AREA : HUMBER RIVER

LAKE : L. ONT.

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

PERIOD : DEC 1983

LATITUDE : 43 37 32 N

LONGITUDE: 79 27 59 W

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	9.48	3.16	1.95	0.94	0.87	1.48	2.55	3.63	24.06	
5.00 --	7.99	9.81	6.05	0.47	0.00	0.13	3.23	2.42	3.09	25.20	
8.00 --	10.99	10.15	4.37	0.13	0.00	0.00	2.49	1.81	7.39	26.34	
11.00 --	13.99	4.03	2.02	0.07	0.00	0.00	1.75	1.81	3.16	12.84	
14.00 --	16.99	1.21	0.60	0.00	0.00	0.13	2.49	1.48	0.81	6.72	
17.00 --	19.99	0.27	0.20	0.00	0.00	0.27	1.55	0.27	0.00	2.55	
20.00 --	22.99	0.00	0.00	0.00	0.00	0.13	1.34	0.47	0.00	1.95	
23.00 --	24.93	0.00	0.00	0.00	0.00	0.07	0.27	0.00	0.00	0.34	
COLUMN SUMS		34.95	16.40	2.62	0.94	1.61	14.58	10.82	18.08	100.00	

RESULTANT CURRENT IS 4.11 CM/S AT 325. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 8.40 CM/S  
 MAXIMUM CURRENT IS 24.93 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.49  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 17 HRS. ON 1 TH DAY OF DEC 1983  
 ENDED AT 2347 HRS. ON 31 TH DAY OF DEC 1983

TABLE 2.25

LOCATION CODE : 307  
 AREA : HUMBER RIVER  
 LAKE : L. ONT.  
 PERIOD : JAN 1984  
 LATITUDE : 43 37 32 N  
 LONGITUDE : 79 27 59 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	10.15	8.00	3.90	1.14	0.34	1.61	3.16	3.36	31.65	
4.00 --	5.99	7.59	9.01	0.87	0.07	0.13	1.34	1.41	1.28	21.71	
6.00 --	7.99	7.06	4.70	0.20	0.00	0.13	1.81	1.08	3.23	18.21	
8.00 --	9.99	2.89	3.09	0.07	0.00	0.34	2.22	1.01	2.35	11.96	
10.00 --	11.99	3.29	1.68	0.07	0.00	0.07	1.01	1.14	1.88	9.14	
12.00 --	13.99	0.67	1.41	0.13	0.00	0.13	0.74	0.00	0.27	3.36	
14.00 --	15.99	0.87	0.60	0.07	0.00	0.07	0.54	0.13	0.20	2.49	
16.00 --	17.74	0.40	0.54	0.00	0.00	0.07	0.47	0.00	0.00	1.48	
COLUMN SUMS		32.93	29.03	5.31	1.21	1.28	9.74	7.93	12.57	100.00	

RESULTANT CURRENT IS 3.38 CM/S AT 357. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.29 CM/S  
 MAXIMUM CURRENT IS 17.74 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.54  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 17 HRS. ON 1 TH DAY OF JAN 1984  
 ENDED AT 2347 HRS. ON 31 TH DAY OF JAN 1984

TABLE 2.26

LOCATION CODE : 307

AREA : HUMBER RIVER

LAKE : L. ONT.

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

PERIOD : FEB 1984

LATITUDE : 43 37 32 N

LONGITUDE: 79 27 59 W

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	5.99	20.83	24.28	2.16	0.36	0.65	6.18	9.91	3.95	68.32	
6.00 --	9.99	4.89	5.39	0.14	0.22	0.29	4.89	0.72	0.50	17.03	
10.00 --	13.99	0.65	0.50	0.22	0.36	0.43	4.96	1.15	0.43	8.69	
14.00 --	17.99	0.07	0.22	0.00	0.43	0.36	0.93	0.72	0.36	3.09	
18.00 --	21.99	0.07	0.07	0.14	0.07	0.72	0.29	0.14	0.00	1.51	
22.00 --	25.99	0.00	0.00	0.00	0.07	0.14	0.22	0.00	0.00	0.43	
26.00 --	29.99	0.00	0.07	0.00	0.07	0.22	0.14	0.00	0.00	0.50	
30.00 --	34.73	0.00	0.00	0.00	0.07	0.14	0.22	0.00	0.00	0.43	
COLUMN SUMS		26.51	30.53	2.66	1.65	2.95	17.82	12.64	5.24	100.00	

RESULTANT CURRENT IS 1.02 CM/S AT 310. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.58 CM/S  
 MAXIMUM CURRENT IS 34.73 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1392  
 PERSISTANCE IS 0.18  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 17 HRS. ON 1 TH DAY OF FEB 1984  
 ENDED AT 2347 HRS. ON 29 TH DAY OF FEB 1984

TABLE 2.27

LOCATION CODE : 307  
 AREA : HUMBER RIVER  
 LAKE : L. ONT.  
 PERIOD : MAR 1984  
 LATITUDE : 43 37 32 N  
 LONGITUDE : 79 27 59 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	2.99	20.23	19.69	4.17	1.41	2.76	13.17	6.59	3.43	71.44	
3.00 --	3.99	0.47	0.27	0.00	0.00	0.13	2.02	0.07	0.27	3.23	
4.00 --	4.99	0.40	0.20	0.00	0.00	0.07	1.21	0.20	0.13	2.22	
5.00 --	5.99	0.40	0.13	0.00	0.00	0.00	0.47	0.54	0.67	2.22	
6.00 --	6.99	0.34	0.20	0.00	0.00	0.07	0.87	0.54	0.13	2.15	
7.00 --	7.99	0.13	0.27	0.00	0.00	0.00	1.61	0.87	0.13	3.02	
8.00 --	8.99	0.40	0.20	0.00	0.00	0.07	2.28	0.81	0.40	4.17	
9.00 --	15.50	1.48	1.75	0.20	0.00	0.20	6.05	1.75	0.13	11.56	
COLUMN SUMS		23.86	22.72	4.37	1.41	3.29	27.69	11.36	5.31	100.00	

RESULTANT CURRENT IS 1.15 CM/S AT 275. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.55 CM/S  
 MAXIMUM CURRENT IS 15.50 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.32  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 17 HRS. ON 1 TH DAY OF MAR 1984  
 ENDED AT 2347 HRS. ON 31 TH DAY OF MAR 1984



TABLE 2.28

LOCATION CODE : 307  
 AREA : HUMBER RIVER  
 LAKE : L. ONT.  
 PERIOD : APR 1984  
 LATITUDE : 43 37 32 N  
 LONGITUDE : 79 27 59 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES					
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW	SUMS
1.50	--	3.99	20.79	8.78	1.45	0.56	1.77	27.72	16.12	12.09	89.28
4.00	--	5.99	0.00	0.00	0.00	0.00	0.00	3.30	0.08	0.00	3.38
6.00	--	7.99	0.00	0.00	0.00	0.00	0.00	2.74	0.24	0.00	2.98
8.00	--	9.99	0.00	0.00	0.00	0.00	0.00	1.93	0.08	0.00	2.01
10.00	--	11.99	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.32
12.00	--	13.99	0.00	0.00	0.00	0.00	0.00	0.97	0.32	0.00	1.29
14.00	--	15.99	0.00	0.00	0.00	0.00	0.00	0.32	0.16	0.00	0.48
16.00	--	17.18	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.24
COLUMN SUMS		20.79	8.78	1.45	0.56	1.77	37.55	17.00	12.09	100.00	

RESULTANT CURRENT IS 1.37 CM/S AT 253. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 2.36 CM/S  
 MAXIMUM CURRENT IS 17.18 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1241  
 PERSISTANCE IS 0.58  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 7.0 M FROM BOTTOM IN 10.7 M OF WATER

STARTED AT 17 HRS. ON 1 TH DAY OF APR 1984  
 ENDED AT 2017 HRS. ON 26 TH DAY OF APR 1984

TABLE 2.29

LOCATION CODE : 308  
 AREA : HUMBER BAY-MIDDLE  
 LAKE : L.ONT  
 PERIOD : JUL 1983  
 LATITUDE : 43 37 4 W  
 LONGITUDE : 79 27 14 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.08	11.13	11.13	4.95	3.71	1.83	3.76	3.39	8.49	48.39	
3.09 --	4.66	3.12	3.28	1.24	0.59	1.02	1.67	2.31	1.99	15.22	
4.67 --	6.25	1.83	2.74	2.10	0.22	0.48	0.97	2.42	1.83	12.58	
6.26 --	7.83	0.59	1.72	1.94	0.16	0.22	0.65	1.99	1.13	8.39	
7.84 --	9.42	0.22	0.97	2.31	0.05	0.32	0.48	2.20	0.91	7.47	
9.43 --	11.01	0.32	0.91	1.40	0.05	0.11	0.16	0.70	0.05	3.71	
11.02 --	12.59	0.05	0.05	0.97	0.38	0.00	0.00	0.22	0.22	1.88	
12.60 --	14.19	0.32	0.54	0.54	0.11	0.11	0.22	0.48	0.05	2.37	
COLUMN SUMS		17.58	21.34	15.43	5.27	4.09	7.90	13.71	14.68	100.00	

RESULTANT CURRENT IS 1.08 CM/S AT 17. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.17 CM/S  
 MAXIMUM CURRENT IS 14.19 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1860  
 PERSISTANCE IS 0.26  
 READINGS TAKEN EVERY 15.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 1510.0 HRS. ON 12 TH DAY OF JUL 1983  
 ENDED AT 2355.0 HRS. ON 31 TH DAY OF JUL 1983

TABLE 2.30

LOCATION CODE : 308  
 AREA : HUMBER BAY-MIDDLE  
 LAKE : L.ONT  
 PERIOD : AUG 1983  
 LATITUDE : 43 37 4 W  
 LONGITUDE: 79 27 14 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	5.29	6.32	9.27	6.08	3.97	5.88	8.43	7.69	6.49	54.13	
5.30 --	9.10	2.12	5.71	2.39	0.57	1.24	2.72	5.24	3.09	23.08	
9.11 --	12.90	0.40	3.33	0.87	0.47	0.30	1.04	3.13	1.11	10.65	
12.91 --	16.70	0.03	1.11	1.85	0.00	0.00	0.84	1.95	0.37	6.15	
16.71 --	20.51	0.03	0.91	0.44	0.00	0.00	0.30	0.27	0.00	1.95	
20.52 --	24.31	0.03	1.08	1.11	0.00	0.00	0.03	0.27	0.00	2.52	
24.32 --	28.12	0.00	0.20	0.47	0.00	0.00	0.07	0.17	0.00	0.91	
28.13 --	31.93	0.00	0.34	0.27	0.00	0.00	0.00	0.00	0.00	0.60	
COLUMN SUMS		8.94	21.94	13.47	5.01	7.43	13.44	18.72	11.06	100.00	

RESULTANT CURRENT IS 1.19 CM/S AT 19. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.36 CM/S  
 MAXIMUM CURRENT IS 31.93 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 2976  
 PERSISTANCE IS 0.19  
 READINGS TAKEN EVERY 15.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 10.0 HRS. ON 1 TH DAY OF AUG 1983  
 ENDED AT 2355.0 HRS. ON 31 TH DAY OF AUG 1983

TABLE 2.31

LOCATION CODE : 308  
 AREA : HUMBER BAY-MIDDLE  
 LAKE : L.ONT  
 PERIOD : SEP 1983  
 LATITUDE : 43 37 4 W  
 LONGITUDE: 79 27 14 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES					
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50	--	3.19	6.28	8.37	6.53	3.75	2.64	5.10	6.60	3.40	42.67
3.20	--	4.90	2.40	2.47	2.85	0.83	0.42	1.53	2.81	1.98	15.28
4.91	--	6.60	1.22	2.60	2.22	0.90	0.28	2.57	5.56	2.15	17.50
6.61	--	8.30	0.52	1.98	1.67	0.76	0.42	0.38	2.67	1.98	10.38
8.31	--	10.01	0.28	2.43	1.15	0.97	0.59	0.56	1.18	0.56	7.71
10.02	--	11.71	0.03	0.52	0.28	0.21	0.00	0.17	1.08	0.17	2.47
11.72	--	13.42	0.00	1.01	0.21	0.00	0.00	0.42	0.62	0.17	2.43
13.43	--	15.13	0.00	0.59	0.28	0.00	0.00	0.35	0.24	0.10	1.56
COLUMN SUMS		10.73	19.97	15.17	7.43	4.34	11.08	20.76	10.52	100.00	

RESULTANT CURRENT IS 0.71 CM/S AT 350. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.69 CM/S  
 MAXIMUM CURRENT IS 15.13 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 2880  
 PERSISTANCE IS 0.15  
 READINGS TAKEN EVERY 15.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 10.0 HRS. ON 1 TH DAY OF SEP 1983  
 ENDED AT 2355.0 HRS. ON 30 TH DAY OF SEP 1983

TABLE 2.32

LOCATION CODE : 308  
 AREA : HUMBER BAY-MIDDLE  
 LAKE : L.ONT  
 PERIOD : OCT 1983  
 LATITUDE : 43 37 4 W  
 LONGITUDE : 79 27 14 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.82	2.98	4.60	1.89	1.35	3.46	5.57	2.71	2.00	24.57	
3.83 --	6.16	2.06	7.52	4.71	0.54	1.46	4.38	4.44	2.11	27.22	
6.17 --	8.49	4.65	8.17	2.44	1.03	0.54	1.52	4.44	4.11	26.89	
8.50 --	10.82	0.65	3.08	1.68	0.60	0.05	0.43	2.98	1.73	11.20	
10.83 --	13.16	0.05	2.16	0.43	0.00	0.00	0.11	0.92	0.16	3.84	
13.17 --	15.49	0.00	1.19	0.81	0.00	0.00	0.00	0.16	0.05	2.22	
15.50 --	17.83	0.00	2.16	0.38	0.00	0.00	0.00	0.00	0.00	2.54	
17.84 --	20.17	0.00	1.08	0.22	0.05	0.00	0.00	0.11	0.05	1.52	
COLUMN SUMS		10.39	29.98	12.55	3.57	5.52	12.01	15.75	10.23	100.00	

RESULTANT CURRENT IS 2.10 CM/S AT 26. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.33 CM/S  
 MAXIMUM CURRENT IS 20.17 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1848  
 PERSISTANCE IS 0.33  
 READINGS TAKEN EVERY 15.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 10.0 HRS. ON 1 TH DAY OF OCT 1983  
 ENDED AT 555.0 HRS. ON 20 TH DAY OF OCT 1983

TABLE 2.33

LOCATION CODE : 308  
 AREA : HUMBER BAY CENTER  
 LAKE : L. ONT.  
 PERIOD : NOV 1983  
 LATITUDE : 43 37 4 N  
 LONGITUDE : 79 27 14 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	6.04	4.93	0.97	0.07	0.00	0.42	2.99	4.17	19.58	
5.00 --	7.99	1.74	8.47	4.37	1.32	0.35	0.97	7.57	1.67	26.46	
8.00 --	10.99	1.04	6.25	2.85	0.35	0.07	1.25	6.39	2.01	20.21	
11.00 --	13.99	0.83	3.89	3.06	0.00	0.00	1.46	4.17	1.39	14.79	
14.00 --	16.99	0.56	3.13	1.39	0.00	0.00	0.62	3.82	0.62	10.14	
17.00 --	19.99	0.07	1.53	1.25	0.00	0.00	0.21	1.74	0.07	4.86	
20.00 --	22.99	0.00	1.11	0.42	0.00	0.00	0.49	1.11	0.00	3.12	
23.00 --	25.67	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.83	
COLUMN SUMS		10.28	29.31	14.31	1.74	0.42	5.42	28.61	9.93	100.00	

RESULTANT CURRENT IS 2.40 CM/S AT 352. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 9.39 CM/S  
 MAXIMUM CURRENT IS 25.67 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1440  
 PERSISTANCE IS 0.26  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 4 HRS. ON 1 TH DAY OF NOV 1983  
 ENDED AT 2334 HRS. ON 30 TH DAY OF NOV 1983

TABLE 2.34

LOCATION CODE : 308  
 AREA : HUMBER BAY CENTER  
 LAKE : L. ONT.

PERIOD : DEC 1983  
 LATITUDE : 43 37 4 N  
 LONGITUDE : 79 27 14 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	0.54	2.96	2.15	0.47	0.00	0.34	0.07	0.67	7.19	
4.00 --	6.99	2.15	6.72	1.08	0.40	0.34	0.67	2.55	1.95	15.86	
7.00 --	9.99	1.28	5.78	2.96	0.74	0.07	0.74	2.76	1.28	15.59	
10.00 --	12.99	2.69	7.66	7.12	1.01	0.13	0.07	1.61	1.41	21.71	
13.00 --	15.99	1.08	5.98	7.80	0.27	0.00	0.81	2.08	0.81	18.82	
16.00 --	18.99	0.13	3.02	5.04	0.20	0.00	0.34	1.55	0.07	10.35	
19.00 --	21.99	0.07	2.49	2.69	0.00	0.00	0.20	1.68	0.00	7.12	
22.00 --	28.57	0.00	0.54	0.67	0.00	0.00	0.13	2.02	0.00	3.36	
COLUMN SUMS		7.93	35.15	29.50	3.09	0.54	3.29	14.31	6.18	100.00	

RESULTANT CURRENT IS 5.62 CM/S AT 53. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 11.64 CM/S  
 MAXIMUM CURRENT IS 28.57 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.48  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 4 HRS. ON 1 TH DAY OF DEC 1983  
 ENDED AT 2334 HRS. ON 31 TH DAY OF DEC 1983

TABLE 2.35

LOCATION CODE : 308  
 AREA : HUMBER BAY CENTER  
 LAKE : L. ONT.  
 PERIOD : JAN 1984  
 LATITUDE : 43 37 4 N  
 LONGITUDE : 79 27 14 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES					
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW	SUMS
1.50	--	4.99	4.50	8.00	8.74	1.81	1.01	2.96	3.02	2.22	32.26
5.00	--	7.99	0.60	4.57	6.25	1.81	0.47	1.08	1.21	1.75	17.74
8.00	--	10.99	1.01	4.70	8.47	2.49	0.20	1.81	1.28	1.28	21.24
11.00	--	13.99	0.20	1.41	7.06	0.60	0.74	0.67	1.01	0.40	12.10
14.00	--	16.99	0.07	1.21	5.24	0.13	0.00	0.00	0.94	0.40	8.00
17.00	--	19.99	0.00	1.68	2.76	0.07	0.00	0.00	0.00	0.00	4.50
20.00	--	22.99	0.00	1.01	2.28	0.00	0.00	0.00	0.00	0.00	3.29
23.00	--	24.65	0.00	0.40	0.47	0.00	0.00	0.00	0.00	0.00	0.87
COLUMN SUMS		6.38	22.98	41.26	6.92	2.42	6.52	7.46	6.05	100.00	

RESULTANT CURRENT IS 5.19 CM/S AT 76. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 8.63 CM/S  
 MAXIMUM CURRENT IS 24.65 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.60  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 4 HRS. ON 1 TH DAY OF JAN 1984  
 ENDED AT 2334 HRS. ON 31 TH DAY OF JAN 1984



TABLE 2.36

LOCATION CODE : 308  
 AREA : HUMBER BAY CENTER  
 LAKE : L. ONT.

PERIOD : FEB 1984  
 LATITUDE : 43 37 4 N  
 LONGITUDE : 79 27 14 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREE'S					
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	2.23	8.26	2.23	1.08	1.15	0.86	2.51	4.02	22.34	
4.00 --	5.99	1.94	10.27	2.44	0.50	0.72	0.07	4.60	2.80	23.35	
6.00 --	7.99	1.72	8.91	2.01	0.00	0.07	0.22	3.59	1.22	17.74	
8.00 --	9.99	0.50	4.09	3.59	0.72	0.07	0.14	3.38	0.93	13.43	
10.00 --	11.99	0.36	2.37	4.31	0.07	0.00	0.29	1.65	0.50	9.55	
12.00 --	13.99	0.29	1.36	4.31	0.00	0.00	0.50	1.87	0.22	8.55	
14.00 --	15.99	0.00	0.29	1.08	0.00	0.00	0.14	1.29	0.07	2.87	
16.00 --	18.49	0.00	0.36	0.79	0.07	0.00	0.00	0.72	0.22	2.16	
COLUMN SUMS		7.04	35.92	20.76	2.44	2.01	2.23	19.61	9.99	100.00	

RESULTANT CURRENT IS 2.77 CM/S AT 39. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 7.13 CM/S  
 MAXIMUM CURRENT IS 18.49 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1392  
 PERSISTANCE IS 0.39  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 4 HRS. ON 1 TH DAY OF FEB 1984  
 ENDED AT 2334 HRS. ON 29 TH DAY OF FEB 1984

TABLE 2.37

LOCATION CODE : 308  
 AREA : HUMBER BAY CENTER  
 LAKE : L. ONT.  
 PERIOD : MAR 1984  
 LATITUDE : 43 37 4 N  
 LONGITUDE : 79 27 14 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES			
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	3.99	4.50	12.30	1.95	0.07	0.13	0.60	0.81	0.54	20.90
4.00 --	6.99	4.44	11.29	3.90	0.00	0.13	0.20	2.35	2.22	24.53
7.00 --	9.99	1.55	9.14	4.50	0.07	0.00	0.87	4.64	2.08	22.85
10.00 --	12.99	0.67	4.97	3.09	0.00	0.00	1.28	5.91	1.34	17.27
13.00 --	15.99	0.07	2.08	1.41	0.00	0.00	0.54	5.85	0.34	10.28
16.00 --	18.99	0.00	1.01	0.47	0.13	0.00	0.07	0.67	0.00	2.35
19.00 --	21.99	0.00	0.34	0.60	0.00	0.00	0.00	0.34	0.00	1.28
22.00 --	23.43	0.00	0.20	0.27	0.00	0.00	0.00	0.07	0.00	0.54
COLUMN SUMS		11.22	41.33	16.20	0.27	0.27	3.56	20.63	6.52	100.00

RESULTANT CURRENT IS 2.67 CM/S AT 18. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 8.04 CM/S  
 MAXIMUM CURRENT IS 23.43 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.33  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 4 HRS. ON 1 TH DAY OF MAR 1984  
 ENDED AT 2334 HRS. ON 31 TH DAY OF MAR 1984

TABLE 2.38

LOCATION CODE : 308  
 AREA : HUMBER BAY CENTER  
 LAKE : L. ONT.  
 PERIOD : APR 1984  
 LATITUDE : 43 37 4 N  
 LONGITUDE : 79 27 14 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	12.92	22.43	4.37	0.07	0.00	0.62	6.04	13.33	59.79	
5.00 --	7.99	1.53	3.82	0.62	0.00	0.00	1.11	12.43	3.54	23.06	
8.00 --	10.99	0.28	1.32	1.67	0.00	0.00	0.28	6.25	0.35	10.14	
11.00 --	13.99	0.00	0.00	0.00	0.00	0.00	0.07	2.92	0.07	3.06	
14.00 --	16.99	0.00	0.14	0.00	0.07	0.07	0.00	1.46	0.00	1.74	
17.00 --	19.99	0.00	0.28	0.28	0.07	0.00	0.00	0.97	0.00	1.60	
20.00 --	22.99	0.00	0.21	0.14	0.00	0.00	0.00	0.00	0.00	0.35	
23.00 --	24.83	0.00	0.21	0.07	0.00	0.00	0.00	0.00	0.00	0.28	
COLUMN SUMS		14.72	28.40	7.15	0.21	0.07	2.08	30.07	17.29	100.00	

RESULTANT CURRENT IS 2.33 CM/S AT 315. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.14 CM/S  
 MAXIMUM CURRENT IS 24.83 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1440  
 PERSISTANCE IS 0.45  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 4 HRS. ON 1 TH DAY OF APR 1984  
 ENDED AT 2334 HRS. ON 30 TH DAY OF APR 1984

TABLE 2.39

LOCATION CODE : 308  
 AREA : HUMBER BAY CENTER  
 LAKE : L. ONT.  
 PERIOD : MAY 1984  
 LATITUDE : 43 37 4 N  
 LONGITUDE : 79 27 14 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES			
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	2.99	3.04	16.71	14.37	3.50	0.82	0.93	7.83	3.27	50.47
3.00 --	3.99	1.29	4.91	2.92	0.35	0.00	0.47	0.93	1.17	12.03
4.00 --	4.99	0.12	1.87	1.05	0.23	0.00	0.23	1.29	0.93	5.72
5.00 --	5.99	0.12	1.99	1.64	0.12	0.00	0.23	1.75	1.05	6.89
6.00 --	6.99	0.12	1.75	1.40	0.35	0.00	0.23	1.64	0.35	5.84
7.00 --	7.99	0.12	2.57	1.52	0.35	0.00	0.12	1.40	0.23	6.31
8.00 --	8.99	0.23	1.52	1.29	0.00	0.00	0.23	1.52	0.00	4.79
9.00 --	15.69	0.82	3.04	1.05	0.00	0.00	0.00	3.04	0.00	7.94
COLUMN SUMS		5.84	34.35	25.23	4.91	0.82	2.45	19.39	7.01	100.00

RESULTANT CURRENT IS 1.64 CM/S AT 39. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.21 CM/S  
 MAXIMUM CURRENT IS 15.69 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 856  
 PERSISTANCE IS 0.39  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.2 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 4 HRS. ON 1 TH DAY OF MAY 1984  
 ENDED AT 1934 HRS. ON 18 TH DAY OF MAY 1984

TABLE 2.40

LOCATION CODE : 309  
 AREA : HUMBER BAY-OFFSHORE  
 LAKE : L.ONT  
 PERIOD : JUL 1983  
 LATITUDE : 43 36 49 W  
 LONGITUDE : 79 26 40 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES					
SPEED(CM/S)		337.50-	22.50-	67.50-	112.50-	157.50-	202.50-	247.50-	292.50-	ROW SUMS	
		22.49	67.49	112.49	157.49	202.49	247.49	292.49	337.49		
1.50 --	3.41	3.67	1.62	3.23	1.76	1.17	1.62	2.94	3.08	19.09	
3.42 --	5.34	1.47	3.08	3.96	2.06	1.32	0.59	2.64	2.50	17.62	
5.35 --	7.26	1.76	4.85	3.52	4.11	1.62	1.32	1.47	2.79	21.44	
7.27 --	9.19	1.91	2.64	6.46	1.76	0.29	0.29	0.29	1.62	15.27	
9.20 --	11.11	1.47	4.26	9.69	0.15	0.00	0.15	0.00	1.62	17.33	
11.12 --	13.04	0.29	1.76	3.23	0.00	0.00	0.00	0.00	0.59	5.87	
13.05 --	14.96	0.00	1.91	0.29	0.00	0.00	0.00	0.00	0.29	2.50	
14.97 --	16.90	0.15	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.88	
COLUMN SUMS		10.72	20.85	30.40	9.84	4.41	3.96	7.34	12.48	100.00	

RESULTANT CURRENT IS 3.67 CM/S AT 59. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.71 CM/S  
 MAXIMUM CURRENT IS 16.90 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 681  
 PERSISTANCE IS 0.55  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 1312.0 HRS. ON 22 TH DAY OF JUL 1983  
 ENDED AT 2352.0 HRS. ON 31 TH DAY OF JUL 1983

TABLE 2.41

LOCATION CODE : 309  
 AREA : HUMBER BAY-OFFSHORE  
 LAKE : L.ONT  
 PERIOD : AUG 1983  
 LATITUDE : 43 36 49 W  
 LONGITUDE: 79 26 40 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

SPEED(CM/S)	DIRECTION					IN DEGREES				
	337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW	SUMS
1.50 --	5.67	7.62	11.11	11.87	7.48	5.20	6.36	6.81	6.18	62.63
5.68 --	9.85	2.73	4.48	4.97	1.43	0.67	0.76	2.06	1.75	18.86
9.86 --	14.04	0.81	1.79	3.41	0.81	0.36	0.40	2.02	0.27	9.86
14.05 --	18.22	0.09	1.61	2.06	0.09	0.00	0.00	0.31	0.45	4.61
18.23 --	22.40	0.00	0.67	1.52	0.00	0.00	0.00	0.00	0.04	2.24
22.41 --	26.58	0.04	0.27	0.49	0.00	0.00	0.00	0.00	0.22	1.03
26.59 --	30.77	0.04	0.00	0.40	0.00	0.00	0.00	0.00	0.13	0.58
30.78 --	34.96	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.18
COLUMN SUMS	11.34	19.94	24.91	9.81	6.23	7.53	11.20	9.05	100.00	

RESULTANT CURRENT IS 2.47 CM/S AT 64. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.69 CM/S  
 MAXIMUM CURRENT IS 34.96 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 2232  
 PERSISTANCE IS 0.43  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 12.0 HRS. ON 1 TH DAY OF AUG 1983  
 ENDED AT 2352.0 HRS. ON 31 TH DAY OF AUG 1983

TABLE 2.42

LOCATION CODE : 309  
 AREA : HUMBER BAY-OFFSHORE  
 LAKE : L.ONT  
 PERIOD : SEP 1983  
 LATITUDE : 43 36 49 W  
 LONGITUDE : 79 26 40 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.01	10.37	14.17	8.56	5.19	2.92	4.40	6.06	6.53	58.19	
3.02 --	4.53	2.08	3.61	2.50	1.44	0.14	0.65	0.97	1.53	12.92	
4.54 --	6.06	1.44	4.17	1.81	1.44	0.23	0.69	0.88	1.76	12.41	
6.07 --	7.58	1.30	2.59	0.79	0.37	0.05	0.19	1.39	1.85	8.52	
7.59 --	9.10	0.32	1.99	0.42	0.09	0.09	0.00	0.28	0.79	3.98	
9.11 --	10.62	0.51	0.83	0.28	0.05	0.00	0.09	0.19	0.46	2.41	
10.63 --	12.15	0.37	0.69	0.14	0.00	0.00	0.00	0.05	0.00	1.25	
12.16 --	13.68	0.09	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.32	
COLUMN SUMS		16.48	28.29	14.49	8.56	3.43	6.02	9.81	12.92	100.00	

RESULTANT CURRENT IS 1.49 CM/S AT 27. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.43 CM/S  
 MAXIMUM CURRENT IS 13.68 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 2160  
 PERSISTANCE IS 0.43  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 12.0 HRS. ON 1 TH DAY OF SEP 1983  
 ENDED AT 2352.0 HRS. ON 30 TH DAY OF SEP 1983

TABLE 2.43

LOCATION CODE : 309  
 AREA : HUMBER BAY-OFFSHORE  
 LAKE : L.ONT  
 PERIOD : OCT 1983  
 LATITUDE : 43 36 49 W  
 LONGITUDE : 79 26 40 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.27	3.36	8.83	6.54	2.87	2.28	4.30	6.18	4.44	38.80	
4.28 --	7.05	6.68	9.90	2.55	0.54	0.81	0.72	3.14	4.17	28.49	
7.06 --	9.84	3.36	4.12	2.33	0.13	0.54	0.94	1.52	4.44	17.38	
9.85 --	12.62	0.63	2.55	3.36	0.13	0.00	0.00	0.09	1.75	8.51	
12.63 --	15.40	0.04	1.16	2.60	0.04	0.00	0.00	0.00	0.04	3.90	
15.41 --	18.18	0.00	0.22	1.57	0.00	0.00	0.00	0.00	0.00	1.79	
18.19 --	20.97	0.00	0.18	0.45	0.00	0.00	0.00	0.00	0.00	0.63	
20.98 --	23.76	0.00	0.13	0.36	0.00	0.00	0.00	0.00	0.00	0.49	
COLUMN SUMS		14.07	27.11	19.76	3.72	3.63	5.96	10.93	14.83	100.00	

RESULTANT CURRENT IS 3.01 CM/S AT 36. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.93 CM/S  
 MAXIMUM CURRENT IS 23.76 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 2232  
 PERSISTANCE IS 0.51  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 12.0 HRS. ON 1 TH DAY OF OCT 1983  
 ENDED AT 2352.0 HRS. ON 31 TH DAY OF OCT 1983



TABLE 2.44

LOCATION CODE : 309  
 AREA : HUMBER BAY-OFFSHORE  
 LAKE : L.ONT  
 PERIOD : NOV 1983  
 LATITUDE : 43 36 49 W  
 LONGITUDE : 79 26 40 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.68	3.87	3.83	4.46	2.57	1.71	1.26	5.68	3.51	26.89	
3.69 --	5.86	0.86	4.91	6.35	2.34	1.04	0.72	4.91	3.06	24.19	
5.88 --	8.05	0.77	5.18	4.91	0.27	0.00	0.59	5.50	4.05	21.26	
8.06 --	10.24	0.23	4.64	3.38	0.00	0.00	0.41	4.14	0.99	13.78	
10.25 --	12.43	0.05	2.25	2.25	0.00	0.00	0.32	1.94	0.27	7.07	
12.44 --	14.61	0.00	0.59	1.04	0.00	0.00	0.09	0.99	0.09	2.79	
14.63 --	16.80	0.00	0.72	0.95	0.00	0.00	0.00	1.35	0.05	3.06	
16.81 --	19.00	0.00	0.09	0.09	0.00	0.00	0.05	0.72	0.00	0.95	
COLUMN SUMS		5.77	22.21	23.42	5.18	2.75	3.42	25.23	12.03	100.00	

RESULTANT CURRENT IS 1.59 CM/S AT 20. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.30 CM/S  
 MAXIMUM CURRENT IS 19.00 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 2220  
 PERSISTANCE IS 0.25  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 12.0 HRS. ON 1 TH DAY OF NOV 1983  
 ENDED AT 1952.0 HRS. ON 1 TH DAY OF DEC 1983

TABLE 2.45

LOCATION CODE : 309  
 AREA : HUMBER BAY OFFSHORE  
 LAKE : L. ONT.  
 PERIOD : DEC 1983  
 LATITUDE : 43 36 39 N  
 LONGITUDE : 79 26 40 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	3.26	7.67	4.23	0.53	0.44	2.12	3.00	5.73	26.98	
5.00 --	7.99	2.20	7.41	9.96	1.85	0.00	0.71	2.65	2.56	27.34	
8.00 --	10.99	0.79	5.11	8.20	0.35	0.09	1.23	2.73	1.15	19.66	
11.00 --	13.99	0.18	2.65	5.64	0.26	0.00	0.62	1.50	0.53	11.38	
14.00 --	16.99	0.00	2.47	4.67	0.00	0.00	0.18	1.76	0.09	9.17	
17.00 --	19.99	0.00	0.88	1.85	0.00	0.00	0.18	1.76	0.00	4.67	
20.00 --	22.99	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.18	0.62	
23.00 --	24.27	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.00	0.18	
COLUMN SUMS		6.44	26.19	34.57	3.00	0.53	5.11	13.93	10.23	100.00	

RESULTANT CURRENT IS 3.55 CM/S AT 56. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 8.29 CM/S  
 MAXIMUM CURRENT IS 24.27 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1134  
 PERSISTANCE IS 0.43  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 92 HRS. ON 8 TH DAY OF DEC 1983  
 ENDED AT 2332 HRS. ON 31 TH DAY OF DEC 1983

TABLE 2.46

LOCATION CODE : 309

AREA : HUMBER BAY OFFSHORE

LAKE : L. ONT.

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

PERIOD : JAN 1984

LATITUDE : 43 36 39 N

LONGITUDE: 79 26 40 W

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	2.99	3.49	8.40	6.05	3.49	2.49	3.16	4.57	3.36	35.01	
3.00 --	4.99	1.14	3.90	7.12	3.16	2.35	2.55	2.55	2.82	25.60	
5.00 --	6.99	0.40	1.55	7.06	2.49	0.40	0.67	0.67	0.81	14.05	
7.00 --	8.99	0.20	1.88	5.38	0.60	0.00	0.27	0.00	0.13	8.47	
9.00 --	10.99	0.13	1.01	3.56	0.27	0.00	0.13	0.07	0.27	5.44	
11.00 --	12.99	0.20	1.01	2.82	0.00	0.00	0.00	0.40	0.07	4.50	
13.00 --	14.99	0.00	1.01	1.55	0.00	0.00	0.00	0.60	0.27	3.43	
15.00 --	20.45	0.00	0.47	2.02	0.00	0.00	0.07	0.81	0.13	3.49	
COLUMN SUMS		5.58	19.22	35.55	10.01	5.24	6.85	9.68	7.86	100.00	

RESULTANT CURRENT IS 2.69 CM/S AT 78. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.35 CM/S  
 MAXIMUM CURRENT IS 20.45 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.50  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 2 HRS. ON 1 TH DAY OF JAN 1984  
 ENDED AT 2332 HRS. ON 31 TH DAY OF JAN 1984

TABLE 2.47

LOCATION CODE : 309  
 AREA : HUMBER BAY OFFSHORE  
 LAKE : L. ONT.  
 PERIOD : FEB 1984  
 LATITUDE : 43 36 39 N  
 LONGITUDE : 79 26 40 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	2.99	3.66	10.13	8.91	2.01	0.72	1.29	6.32	4.96	38.00	
3.00 --	3.99	0.22	3.09	4.45	0.86	0.07	0.14	0.86	0.65	10.34	
4.00 --	4.99	0.36	2.87	5.75	0.36	0.00	0.29	1.44	1.65	12.72	
5.00 --	5.99	0.36	1.65	5.39	0.36	0.07	0.14	1.36	0.72	10.06	
6.00 --	6.99	0.22	0.43	3.52	0.14	0.00	0.22	1.01	1.15	6.68	
7.00 --	7.99	0.14	0.57	2.73	0.07	0.07	0.22	0.93	1.01	5.75	
8.00 --	8.99	0.00	1.01	1.65	0.07	0.22	0.29	2.44	0.65	6.32	
9.00 --	15.22	0.57	1.44	2.66	0.14	0.22	0.93	2.66	1.51	10.13	
COLUMN SUMS		5.53	21.19	35.06	4.02	1.36	3.52	17.03	12.28	100.00	

RESULTANT CURRENT IS 1.35 CM/S AT 45. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.74 CM/S  
 MAXIMUM CURRENT IS 15.22 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1392  
 PERSISTANCE IS 0.29  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 2 HRS. ON 1 TH DAY OF FEB 1984  
 ENDED AT 2332 HRS. ON 29 TH DAY OF FEB 1984

TABLE 2.48

LOCATION CODE : 309  
 AREA : HUMBER BAY OFFSHORE  
 LAKE : L. ONT.  
 PERIOD : MAR 1984  
 LATITUDE : 43 36 39 N  
 LONGITUDE : 79 26 40 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	2.99	5.04	11.36	4.10	0.87	0.34	0.20	1.48	3.23	26.61	
3.00 --	4.99	1.55	4.84	6.59	0.81	0.47	0.54	1.75	4.30	20.83	
5.00 --	6.99	1.41	2.35	5.24	1.08	0.47	0.81	2.49	2.76	16.60	
7.00 --	8.99	0.47	1.88	4.70	0.07	0.07	0.67	2.28	1.68	11.83	
9.00 --	10.99	0.07	1.14	2.42	0.00	0.07	0.60	2.69	1.68	8.67	
11.00 --	12.99	0.00	1.01	0.94	0.00	0.00	0.20	4.17	1.48	7.80	
13.00 --	14.99	0.00	0.34	1.55	0.13	0.00	0.13	2.89	0.27	5.31	
15.00 --	19.61	0.00	0.20	1.28	0.00	0.00	0.07	0.81	0.00	2.35	
COLUMN SUMS		8.53	23.12	26.81	2.96	1.41	3.23	18.55	15.39	100.00	

RESULTANT CURRENT IS 1.48 CM/S AT 1. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.17 CM/S  
 MAXIMUM CURRENT IS 19.61 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTENCE IS 0.24  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 2 HRS. ON 1 TH DAY OF MAR 1984  
 ENDED AT 2332 HRS. ON 31 TH DAY OF MAR 1984

TABLE 2.49

LOCATION CODE : 309  
 AREA : HUMBER BAY OFFSHORE  
 LAKE : L. ONT.  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

PERIOD : APR 1984  
 LATITUDE : 43 36 39 N  
 LONGITUDE: 79 26 40 W

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	10.69	14.31	8.26	0.56	1.53	2.01	9.24	10.28	56.87	
4.00 --	6.99	0.97	2.57	6.81	0.35	0.35	0.83	5.14	5.56	22.57	
7.00 --	9.99	0.07	1.25	1.81	0.00	0.14	0.49	5.90	4.24	13.89	
10.00 --	12.99	0.07	0.07	0.00	0.00	0.00	0.00	2.36	0.90	3.40	
13.00 --	15.99	0.00	0.07	0.07	0.07	0.00	0.00	1.46	0.28	1.94	
16.00 --	18.99	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.42	
19.00 --	21.99	0.00	0.28	0.49	0.00	0.00	0.00	0.00	0.00	0.76	
22.00 --	22.13	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.14	
COLUMN SUMS		11.81	18.54	17.99	0.97	2.01	3.33	24.10	21.25	100.00	

RESULTANT CURRENT IS 1.62 CM/S AT 327. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.44 CM/S  
 MAXIMUM CURRENT IS 22.13 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1440  
 PERSISTANCE IS 0.37  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 2 HRS. ON 1 TH DAY OF APR 1984  
 ENDED AT 2332 HRS. ON 30 TH DAY OF APR 1984

TABLE 2.50

LOCATION CODE : 309

AREA : HUMBER BAY OFFSHORE

LAKE : L. ONT.

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

PERIOD : MAY 1984

LATITUDE : 43 36 39 N

LONGITUDE: 79 26 40 W

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	2.99	4.74	8.45	21.08	11.79	6.87	3.34	5.39	4.74	66.39	
3.00 --	4.99	0.28	1.39	3.16	0.84	0.56	0.00	2.14	2.32	10.68	
5.00 --	6.99	0.19	0.93	2.32	0.09	0.00	0.00	1.76	1.95	7.24	
7.00 --	8.99	0.00	0.46	4.27	0.09	0.00	0.00	2.32	0.93	8.08	
9.00 --	10.99	0.00	0.28	1.86	0.00	0.00	0.00	1.76	0.19	4.09	
11.00 --	12.99	0.00	0.56	0.46	0.00	0.00	0.00	0.28	0.00	1.30	
13.00 --	14.99	0.00	0.65	0.28	0.00	0.00	0.00	0.00	0.00	0.93	
15.00 --	19.51	0.00	0.74	0.56	0.00	0.00	0.00	0.00	0.00	1.30	
COLUMN SUMS		5.20	13.46	33.98	12.81	7.43	3.34	13.65	10.12	100.00	

RESULTANT CURRENT IS 1.16 CM/S AT 58. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 3.57 CM/S  
 MAXIMUM CURRENT IS 19.51 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1077  
 PERSISTANCE IS 0.33  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 16.8 M FROM BOTTOM IN 24.4 M OF WATER

STARTED AT 2 HRS. ON 1 TH DAY OF MAY 1984  
 ENDED AT 162 HRS. ON 23 TH DAY OF MAY 1984

TABLE 2.51

LOCATION CODE : 310  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : JUN 1983  
 LATITUDE : 43 36 53 N  
 LONGITUDE: 79 28 7 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED (CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	15.51	10.81	4.84	2.84	8.22	15.22	8.27	10.03	75.73	
5.00 --	7.99	1.81	2.98	0.83	0.24	2.25	5.04	1.52	0.54	15.22	
8.00 --	10.99	0.20	0.00	0.10	0.00	1.47	2.10	0.24	0.00	4.11	
11.00 --	13.99	0.00	0.00	0.00	0.00	0.20	1.17	0.20	0.00	1.57	
14.00 --	16.99	0.00	0.00	0.00	0.00	0.15	0.83	0.00	0.00	0.98	
17.00 --	19.99	0.00	0.00	0.00	0.00	0.10	0.64	0.00	0.00	0.73	
20.00 --	22.99	0.00	0.00	0.00	0.00	0.20	0.83	0.00	0.00	1.03	
23.00 --	27.50	0.00	0.00	0.00	0.00	0.05	0.59	0.00	0.00	0.64	
COLUMN SUMS		17.51	13.80	5.77	3.08	12.62	26.42	10.23	10.57	100.00	

RESULTANT CURRENT IS 1.42 CM/S AT 229. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.00 CM/S  
 MAXIMUM CURRENT IS 27.50 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 2044  
 PERSISTANCE IS 0.36  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 14.52 HRS. ON 2 TH DAY OF JUN 1983  
 ENDED AT 23.52 HRS. ON 30 TH DAY OF JUN 1983



TABLE 2.52

LOCATION CODE : 0310  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : JUL 1983  
 LATITUDE : 43 36 53 N  
 LONGITUDE : 79 28 7 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	3.99	10.66	9.41	4.97	3.09	7.03	8.83	8.29	8.29	60.57
4.00 --	6.99	5.51	3.27	1.03	0.40	2.96	5.91	3.49	2.37	24.96
7.00 --	9.99	0.72	1.75	0.45	0.22	1.03	4.66	0.67	0.58	10.08
10.00 --	12.99	0.04	1.08	0.00	0.00	0.04	1.79	0.00	0.00	2.96
13.00 --	15.99	0.00	0.04	0.00	0.00	0.09	0.90	0.00	0.00	1.03
16.00 --	18.99	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.18
19.00 --	21.99	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.18
22.00 --	22.20	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
COLUMN SUMS		16.94	15.55	6.45	3.72	11.16	22.49	12.46	11.25	100.00

RESULTANT CURRENT IS 0.81 CM/S AT 261. DEG. FROM MAG. NORTH      TOTAL NO. OF POINTS 2232  
 MEAN CURRENT IS 3.98 CM/S      PERSISTANCE IS 0.20  
 MAXIMUM CURRENT IS 22.20 CM/S      READINGS TAKEN EVERY 20.0 MINS.  
 MINIMUM CURRENT IS 1.50 CM/S

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 0.12 HRS. ON 1 TH DAY OF JUL 1983  
 ENDED AT 23.52 HRS. ON 31 TH DAY OF JUL 1983

TABLE 2.53

LOCATION CODE : 0310  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : AUG 1983  
 LATITUDE : 43 36 53 N  
 LONGITUDE: 79 28 7 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

	DIRECTION					IN DEGREES				
SPEED(CM/S)	337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 -- 4.99	6.77	16.30	4.45	2.67	8.10	14.78	3.83	3.21	60.11	
5.00 -- 8.99	1.96	5.52	0.53	0.71	3.03	6.50	2.49	2.23	22.97	
9.00 -- 12.99	0.27	2.40	0.09	0.00	0.80	4.99	0.53	0.00	9.08	
13.00 -- 16.99	0.09	1.07	0.00	0.00	0.36	2.40	0.09	0.00	4.01	
17.00 -- 20.99	0.18	1.07	0.00	0.00	0.00	0.45	0.00	0.00	1.69	
21.00 -- 24.99	0.00	0.80	0.00	0.00	0.00	0.18	0.00	0.00	0.98	
25.00 -- 28.99	0.00	0.71	0.00	0.00	0.00	0.36	0.00	0.00	1.07	
29.00 -- 29.40	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09	
COLUMN SUMS	9.26	27.87	5.08	3.38	12.29	29.74	6.95	5.43	100.00	

RESULTANT CURRENT IS 0.43 CM/S AT 241. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.23 CM/S  
 MAXIMUM CURRENT IS 29.40 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1123  
 PERSISTENCE IS 0.08  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 0.12 HRS. ON 1 TH DAY OF AUG 1983  
 ENDED AT 14.12 HRS. ON 16 TH DAY OF AUG 1983

TABLE 2.54

LOCATION CODE : 310

AREA : HUMBER BAY

LAKE : L.ONT

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 35 DEGREES CLOCKWISE

PERIOD : AUG 1983

LATITUDE : 43 36 53 W

LONGITUDE: 79 28 7 N

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50-	22.50-	67.50-	112.50-	157.50-	202.50-	247.50-	292.50-	ROW SUMS	
		22.49	67.49	112.49	157.49	202.49	247.49	292.49	337.49		
1.50	--	4.45	7.14	7.78	5.61	3.53	4.79	8.77	5.15	2.44	45.21
4.46	--	7.40	1.27	5.61	1.18	0.54	3.53	11.84	2.80	0.54	27.31
7.41	--	10.36	0.36	3.07	0.00	0.45	0.63	6.69	1.18	0.00	12.39
10.37	--	13.32	0.09	0.45	0.00	0.00	0.00	5.70	0.36	0.00	6.60
13.33	--	16.28	0.00	0.81	0.00	0.00	0.09	4.25	0.00	0.00	5.15
16.29	--	19.23	0.00	0.18	0.00	0.00	0.00	1.90	0.00	0.00	2.08
19.24	--	22.19	0.00	0.00	0.00	0.00	0.18	0.81	0.00	0.00	0.99
22.20	--	25.16	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.27
COLUMN SUMS		8.86	17.90	6.78	4.52	9.22	40.24	9.49	2.98	100.00	

RESULTANT CURRENT IS 2.69 CM/S AT 225. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.91 CM/S  
 MAXIMUM CURRENT IS 25.16 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1106  
 PERSISTANCE IS 0.45  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 1538.0 HRS. ON 16 TH DAY OF AUG 1983  
 ENDED AT 2358.0 HRS. ON 31 TH DAY OF AUG 1983

TABLE 2.55

LOCATION CODE : 310  
 AREA : HUMBER BAY  
 LAKE : L.ONT

PERIOD : SEP 1983  
 LATITUDE : 43 36 53 W  
 LONGITUDE: 79 28 7 N

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 35 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.18	9.77	8.61	3.56	1.67	3.56	7.41	7.41	5.51	47.50	
4.19 --	6.88	2.31	3.47	1.11	0.88	2.55	9.44	3.19	1.53	24.49	
6.89 --	9.57	0.32	2.18	0.74	0.46	0.28	8.70	3.15	0.14	15.97	
9.58 --	12.27	0.23	1.30	0.19	0.00	0.28	4.31	0.60	0.00	6.90	
12.28 --	14.96	0.00	0.37	0.05	0.23	0.32	1.81	0.14	0.00	2.92	
14.97 --	17.66	0.00	0.05	0.00	0.14	0.14	0.97	0.00	0.00	1.30	
17.67 --	20.35	0.00	0.00	0.00	0.00	0.09	0.51	0.00	0.00	0.60	
20.36 --	23.06	0.00	0.00	0.00	0.00	0.05	0.28	0.00	0.00	0.32	
COLUMN SUMS		12.64	15.97	5.65	3.38	7.27	33.43	14.49	7.18	100.00	

RESULTANT CURRENT IS 2.02 CM/S AT 236. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.31 CM/S  
 MAXIMUM CURRENT IS 23.06 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 2160  
 PERSISTANCE IS 0.38  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 18.0 HRS. ON 1 TH DAY OF SEP 1983  
 ENDED AT 2358.0 HRS. ON 30 TH DAY OF SEP 1983



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TABLE 2.56

LOCATION CODE : 310  
 AREA : HUMBER BAY  
 LAKE : L.ONT  
 PERIOD : OCT 1983  
 LATITUDE : 43 36 53 W  
 LONGITUDE : 79 28 7 N  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 35 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.64	3.37	5.59	2.39	1.41	1.85	4.99	1.57	2.66	23.83	
4.65 --	7.79	3.69	8.14	1.36	0.81	1.68	8.85	3.20	1.19	28.94	
7.80 --	10.94	4.02	3.96	1.03	0.65	2.23	16.45	2.50	2.39	33.22	
10.95 --	14.09	0.43	0.60	0.11	0.00	0.22	6.13	0.81	0.11	8.41	
14.10 --	17.24	0.00	1.19	0.16	0.00	0.05	2.77	0.27	0.00	4.45	
17.25 --	20.39	0.00	0.05	0.00	0.00	0.00	0.33	0.00	0.00	0.38	
20.40 --	23.54	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.71	
23.55 --	26.70	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	
COLUMN SUMS		11.51	20.25	5.05	2.88	6.08	39.52	8.36	6.35	100.00	

RESULTANT CURRENT IS 2.19 CM/S AT 245. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 7.52 CM/S  
 MAXIMUM CURRENT IS 26.70 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1842  
 PERSISTANCE IS 0.29  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 18.0 HRS. ON 1 TH DAY OF OCT 1983  
 ENDED AT 1358.0 HRS. ON 26 TH DAY OF OCT 1983

TABLE 2.57

LOCATION CODE : 310  
 AREA : HUMBER BAY MIMICO  
 LAKE : L. ONT.

PERIOD : NOV 1983  
 LATITUDE : 43 36 53 N  
 LONGITUDE : 79 28 7 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 -- 5.99	5.97	5.97	7.15	2.36	1.46	2.36	10.49	11.04	4.37	45.21	
6.00 -- 10.99	3.61	3.61	5.62	2.43	1.25	1.67	15.69	3.47	1.81	35.56	
11.00 -- 15.99	0.42	0.42	1.46	0.35	0.14	0.14	9.03	0.21	0.28	12.01	
16.00 -- 20.99	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.07	0.00	3.47	
21.00 -- 25.99	0.00	0.00	0.00	0.00	0.00	0.07	1.53	0.00	0.00	1.60	
26.00 -- 30.99	0.00	0.00	0.00	0.00	0.00	0.07	0.97	0.07	0.00	1.11	
31.00 -- 35.99	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.62	
36.00 -- 38.55	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.42	
COLUMN SUMS		10.00	14.24	5.14	2.85	4.31	42.15	14.86	6.46	100.00	

RESULTANT CURRENT IS 3.76 CM/S AT 238. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 7.72 CM/S  
 MAXIMUM CURRENT IS 38.55 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1440  
 PERSISTANCE IS 0.49  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 28 HRS. ON 1 TH DAY OF NOV 1983  
 ENDED AT 2358 HRS. ON 30 TH DAY OF NOV 1983

TABLE 2.58

LOCATION CODE : 310

AREA : HUMBER BAY MIMICO

LAKE : L. ONT.

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

PERIOD : DEC 1983

LATITUDE : 43 36 53 N

LONGITUDE: 79 28 7 W

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	5.99	9.68	8.94	0.94	1.41	1.75	4.10	4.57	3.36	34.74	
6.00 --	9.99	5.04	11.83	4.37	2.15	2.15	8.40	4.84	3.97	42.74	
10.00 --	13.99	1.08	4.03	2.28	0.81	0.60	2.69	0.81	0.40	12.70	
14.00 --	17.99	0.07	1.01	0.07	0.00	0.20	3.02	0.20	0.00	4.57	
18.00 --	21.99	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	1.34	
22.00 --	25.99	0.00	0.00	0.00	0.00	0.13	1.41	0.00	0.00	1.55	
26.00 --	29.99	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	1.14	
30.00 --	33.61	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	1.21	
COLUMN SUMS		15.86	25.81	7.66	4.37	4.84	23.32	10.42	7.73	100.00	

RESULTANT CURRENT IS 1.04 CM/S AT 266. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 8.28 CM/S  
 MAXIMUM CURRENT IS 33.61 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.13  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 28 HRS. ON 1 TH DAY OF DEC 1983  
 ENDED AT 2358 HRS. ON 31 TH DAY OF DEC 1983

TABLE 2.59

LOCATION CODE : 310  
 AREA : HUMBER BAY MIMICO  
 LAKE : L. ONT.  
 PERIOD : JAN 1984  
 LATITUDE : 43 36 53 N  
 LONGITUDE : 79 28 7 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	10.48	6.65	1.28	1.14	1.95	2.22	5.58	8.40	37.70	
4.00 --	5.99	3.49	7.33	2.42	0.87	0.47	3.49	2.22	1.88	22.18	
6.00 --	7.99	1.61	5.11	3.43	1.68	0.74	2.42	2.22	1.21	18.41	
8.00 --	9.99	0.40	2.42	1.81	0.60	0.34	2.42	0.67	0.07	8.74	
10.00 --	11.99	0.13	4.10	0.87	0.13	0.00	0.87	0.34	0.13	6.59	
12.00 --	13.99	0.00	1.08	0.27	0.00	0.00	1.01	0.00	0.00	2.35	
14.00 --	15.99	0.00	1.34	0.20	0.00	0.00	0.94	0.07	0.00	2.55	
16.00 --	19.42	0.00	1.28	0.20	0.00	0.00	0.00	0.00	0.00	1.48	
COLUMN SUMS		16.13	29.30	10.48	4.44	3.49	13.37	11.09	11.69	100.00	

RESULTANT CURRENT IS 1.69 CM/S AT 34. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.85 CM/S  
 MAXIMUM CURRENT IS 19.42 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.29  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 28 HRS. ON 1 TH DAY OF JAN 1984  
 ENDED AT 2358 HRS. ON 31 TH DAY OF JAN 1984



TABLE 2.60

LOCATION CODE : 310  
 AREA : HUMBER BAY MIMICO  
 LAKE : L. ONT.

PERIOD : FEB 1984  
 LATITUDE : 43 36 53 N  
 LONGITUDE : 79 28 7 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	3.99	10.13	13.15	4.45	0.79	1.94	5.32	2.01	6.32	44.11
4.00 --	5.99	2.66	7.11	0.79	1.01	1.22	7.18	1.80	2.16	23.92
6.00 --	7.99	0.57	6.03	0.22	0.50	0.07	2.87	0.36	0.36	10.99
8.00 --	9.99	0.22	4.53	0.43	0.00	0.07	3.95	0.22	0.00	9.41
10.00 --	11.99	0.07	2.23	0.43	0.29	0.00	2.44	0.07	0.00	5.53
12.00 --	13.99	0.14	0.22	0.14	0.07	0.14	2.51	0.22	0.00	3.45
14.00 --	15.99	0.00	0.00	0.00	0.00	0.00	1.08	0.22	0.00	1.29
16.00 --	18.21	0.00	0.00	0.00	0.00	0.00	1.15	0.14	0.00	1.29
COLUMN SUMS		13.79	33.26	6.47	2.66	3.45	26.51	5.03	8.84	100.00

RESULTANT CURRENT IS 0.57 CM/S AT 315. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.35 CM/S  
 MAXIMUM CURRENT IS 18.21 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1392  
 PERSISTANCE IS 0.11  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 28 HRS. ON 1 TH DAY OF FEB 1984  
 ENDED AT 2358 HRS. ON 29 TH DAY OF FEB 1984

TABLE 2.61

LOCATION CODE : 310  
 AREA : HUMBER BAY MIMICO  
 LAKE : L. ONT.  
 PERIOD : MAR 1984  
 LATITUDE : 43 36 53 N  
 LONGITUDE : 79 28 7 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	13.31	14.11	0.87	0.40	0.67	2.76	5.98	7.73	45.83	
5.00 --	7.99	2.22	8.80	0.81	0.40	0.54	6.38	2.42	1.68	23.25	
8.00 --	10.99	0.67	2.96	0.54	0.27	0.27	5.44	1.14	0.40	11.69	
11.00 --	13.99	0.00	1.08	0.00	0.00	0.34	7.19	0.47	0.00	9.07	
14.00 --	16.99	0.00	1.41	0.13	0.00	0.07	4.91	0.20	0.00	6.72	
17.00 --	19.99	0.00	0.27	0.00	0.00	0.00	2.35	0.07	0.00	2.69	
20.00 --	22.99	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.54	
23.00 --	25.02	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20	
COLUMN SUMS		16.20	28.63	2.35	1.08	1.88	29.77	10.28	9.81	100.00	

RESULTANT CURRENT IS 1.98 CM/S AT 265. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.91 CM/S  
 MAXIMUM CURRENT IS 25.02 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.29  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 28 HRS. ON 1 TH DAY OF MAR 1984  
 ENDED AT 2358 HRS. ON 31 TH DAY OF MAR 1984

TABLE 2.62

LOCATION CODE : 310  
 AREA : HUMBER BAY MIMICO  
 LAKE : L. ONT.  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

PERIOD : APR 1984  
 LATITUDE : 43 36 53 N  
 LONGITUDE: 79 28 7 W

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	13.06	7.84	1.39	3.67	5.71	16.65	8.33	8.41	65.06	
5.00 --	7.99	0.00	1.39	0.16	0.08	0.73	9.39	2.61	0.00	14.37	
8.00 --	10.99	0.00	1.22	0.00	0.00	0.08	7.02	0.49	0.00	8.82	
11.00 --	13.99	0.00	0.00	0.00	0.00	0.00	4.33	0.16	0.00	4.49	
14.00 --	16.99	0.00	0.00	0.00	0.00	0.00	4.33	0.08	0.00	4.41	
17.00 --	19.99	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.57	
20.00 --	22.99	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.82	
23.00 --	28.01	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	1.47	
COLUMN SUMS		13.06	10.45	1.55	3.76	6.53	44.57	11.67	8.41	100.00	

RESULTANT CURRENT IS 3.51 CM/S AT 238. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.22 CM/S  
 MAXIMUM CURRENT IS 28.01 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 1225  
 PERSISTANCE IS 0.67  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 12.8 M FROM BOTTOM IN 18.3 M OF WATER

STARTED AT 28 HRS. ON 1 TH DAY OF APR 1984  
 ENDED AT 1228 HRS. ON 26 TH DAY OF APR 1984

TABLE 2.63

LOCATION CODE : 311  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : JUN 1983  
 LATITUDE : 43 37 24 N  
 LONGITUDE: 79 26 52 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

SPEED(CM/S)	DIRECTION					IN DEGREES				
	337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 -- 4.99	5.14	10.98	19.65	10.00	3.38	4.80	5.19	3.53	62.67	
5.00 -- 7.99	2.99	2.06	8.28	3.77	1.42	2.01	2.50	4.36	27.39	
8.00 -- 10.99	0.20	0.24	1.52	1.22	0.20	0.34	0.69	1.42	5.83	
11.00 -- 13.99	0.00	0.00	0.10	0.00	0.00	0.00	0.24	0.93	1.27	
14.00 -- 16.99	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.69	1.08	
17.00 -- 19.99	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.10	0.64	
20.00 -- 22.99	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.34	0.64	
23.00 -- 27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.10	0.49	
COLUMN SUMS	8.33	13.28	29.54	14.99	5.00	7.15	10.24	11.46	100.00	

RESULTANT CURRENT IS 0.60 CM/S AT 44. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 4.76 CM/S  
 MAXIMUM CURRENT IS 27.70 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 2041  
 PERSISTANCE IS 0.13  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 11.0 M FROM BOTTOM IN 15.2 M OF WATER

STARTED AT 15.42 HRS. ON 2 TH DAY OF JUN 1983  
 ENDED AT 23.42 HRS. ON 30 TH DAY OF JUN 1983

TABLE 2.64

LOCATION CODE : 311  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : JUL 1983  
 LATITUDE : 43 37 24 N  
 LONGITUDE : 79 26 52 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	3.90	6.50	12.72	11.07	7.44	3.81	4.30	3.14	52.87	
5.00 --	7.99	1.25	4.39	10.22	4.93	1.88	1.61	3.45	1.84	29.57	
8.00 --	10.99	0.40	1.39	3.54	1.39	0.18	0.40	2.78	1.43	11.51	
11.00 --	13.99	0.04	0.13	1.93	0.09	0.04	0.04	1.08	0.76	4.12	
14.00 --	16.99	0.00	0.09	0.09	0.00	0.00	0.00	1.30	0.13	1.61	
17.00 --	19.99	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.18	
20.00 --	22.99	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	
23.00 --	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09	
COLUMN SUMS		5.60	12.50	28.49	17.47	9.54	5.87	13.22	7.30	100.00	

RESULTANT CURRENT IS 1.16 CM/S AT 90. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.34 CM/S  
 MAXIMUM CURRENT IS 24.30 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S

TOTAL NO. OF POINTS 2232  
 PERSISTENCE IS 0.22  
 READINGS TAKEN EVERY 20.0 MINS.

## METER OPERATIONS

METER OPERATED AT 11.0 M FROM BOTTOM IN 15.2 M OF WATER

STARTED AT 0.02 HRS. ON 1 TH DAY OF JUL 1983  
 ENDED AT 23.42 HRS. ON 31 TH DAY OF JUL 1983

TABLE 2.65

LOCATION CODE : 0311  
 AREA : HUMBER BAY  
 LAKE : L. ONT.

PERIOD : AUG 1983  
 LATITUDE : 43 37 24 N  
 LONGITUDE: 79 26 52 W

ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50	--	5.99	4.32	7.76	10.58	4.67	1.15	4.14	6.61	9.35	48.59
6.00	--	10.99	2.20	3.53	8.82	3.44	0.79	1.23	5.29	2.91	28.22
11.00	--	15.99	0.00	1.23	5.47	0.53	0.18	0.00	2.91	3.53	13.84
16.00	--	20.99	0.00	0.18	2.56	0.00	0.00	0.00	0.79	0.35	3.88
21.00	--	25.99	0.00	0.53	1.94	0.00	0.00	0.00	0.09	0.18	2.73
26.00	--	30.99	0.00	0.00	0.53	0.00	0.00	0.00	0.35	0.26	1.15
31.00	--	35.99	0.00	0.00	1.23	0.00	0.00	0.00	0.00	0.00	1.23
36.00	--	40.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.35
COLUMN SUMS		6.53	13.23	31.48	8.64	2.12	5.38	16.05	16.58	100.00	

RESULTANT CURRENT IS 2.38 CM/S AT 61. DEG. FROM MAG. NORTH TOTAL NO. OF POINTS 1134  
 MEAN CURRENT IS 7.69 CM/S PERSISTANCE IS 0.31  
 MAXIMUM CURRENT IS 40.00 CM/S READINGS TAKEN EVERY 20.0 MINS.  
 MINIMUM CURRENT IS 1.50 CM/S

## METER OPERATIONS

METER OPERATED AT 11.0 M FROM BOTTOM IN 15.2 M OF WATER

STARTED AT 0.02 HRS. ON 1 TH DAY OF AUG 1983  
 ENDED AT 17.42 HRS. ON 16 TH DAY OF AUG 1983

TABLE 2.66

LOCATION CODE : 311  
 AREA : HUMBER ONTARIO PLACE  
 LAKE : L. ONT.  
 PERIOD : DEC 1983  
 LATITUDE : 43 37 24 N  
 LONGITUDE: 79 26 28 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION				IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
2.06 --	5.99	0.53	2.48	5.84	2.65	1.42	1.95	0.27	0.53	15.66
6.00 --	9.99	0.35	1.59	6.99	0.53	0.18	0.44	2.39	1.95	14.42
10.00 --	13.99	0.09	0.88	13.72	3.36	0.09	0.44	1.24	0.44	20.27
14.00 --	17.99	0.18	0.09	18.58	5.49	0.09	0.44	2.57	0.62	28.05
18.00 --	21.99	0.00	0.27	8.67	3.01	0.00	0.09	1.24	0.00	13.27
22.00 --	25.99	0.00	0.00	3.19	0.97	0.00	0.00	1.06	0.00	5.22
26.00 --	29.99	0.00	0.00	0.09	0.00	0.00	0.00	1.77	0.27	2.12
30.00 --	33.23	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.27	0.97
COLUMN SUMS		1.15	5.31	57.08	16.02	1.77	3.36	11.24	4.07	100.00

RESULTANT CURRENT IS 7.62 CM/S AT 103. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 13.45 CM/S  
 MAXIMUM CURRENT IS 33.23 CM/S  
 MINIMUM CURRENT IS 2.06 CM/S  
 TOTAL NO. OF POINTS 1130  
 PERSISTANCE IS 0.57  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 11.0 M FROM BOTTOM IN 15.2 M OF WATER

STARTED AT 1105 HRS. ON 8 TH DAY OF DEC 1983  
 ENDED AT 2335 HRS. ON 31 TH DAY OF DEC 1983

TABLE 2.67

LOCATION CODE : 311  
 AREA : HUMBER ONTARIO PLACE  
 LAKE : L. ONT.  
 PERIOD : JAN 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	4.99	0.47	1.21	6.12	5.44	2.35	2.42	0.67	1.28	19.96	
5.00 --	7.99	0.94	0.81	6.59	8.00	0.81	1.14	0.20	0.34	18.82	
8.00 --	10.99	0.54	0.94	10.82	7.06	0.20	0.34	2.35	1.81	24.06	
11.00 --	13.99	0.20	0.27	8.67	3.43	0.00	0.60	1.68	1.88	16.73	
14.00 --	16.99	0.07	0.00	5.58	1.88	0.00	0.07	0.67	0.87	9.14	
17.00 --	19.99	0.00	0.07	4.30	2.02	0.00	0.00	0.40	0.07	6.85	
20.00 --	22.99	0.00	0.00	2.15	0.60	0.00	0.00	0.00	0.00	2.76	
23.00 --	26.70	0.00	0.00	1.41	0.27	0.00	0.00	0.00	0.00	1.68	
COLUMN SUMS		2.22	3.29	45.63	28.70	3.36	4.57	5.98	6.25	100.00	

RESULTANT CURRENT IS 6.33 CM/S AT 107. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 9.84 CM/S  
 MAXIMUM CURRENT IS 26.70 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.64  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 5 HRS. ON 1 TH DAY OF JAN 1984  
 ENDED AT 2335 HRS. ON 31 TH DAY OF JAN 1984



TABLE 2.68

LOCATION CODE : 311  
 AREA : HUMBER ONTARIO PLACE  
 LAKE : L. ONT.  
 PERIOD : FEB 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES			
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	2.99	0.07	0.65	0.57	0.07	0.00	0.65	2.44	1.65	6.11
3.00 --	4.99	0.72	0.86	3.74	0.93	0.22	0.14	4.02	2.66	13.29
5.00 --	6.99	1.29	1.08	6.82	3.16	0.65	0.07	1.51	1.80	16.38
7.00 --	8.99	0.79	0.86	13.07	3.81	0.43	0.07	2.73	2.01	23.78
9.00 --	10.99	0.14	0.07	6.82	1.94	0.22	0.14	1.94	3.23	14.51
11.00 --	12.99	0.07	0.22	4.31	0.57	0.07	0.07	1.58	1.15	8.05
13.00 --	14.99	0.29	0.14	4.31	1.94	0.14	0.22	1.51	0.50	9.05
15.00 --	20.73	0.00	0.00	3.09	0.86	0.07	0.14	4.02	0.65	8.84
COLUMN SUMS		3.38	3.88	42.74	13.29	1.80	1.51	19.76	13.65	100.00

RESULTANT CURRENT IS	2.43 CM/S AT 92. DEG. FROM MAG. NORTH	TOTAL NO. OF POINTS	1392
MEAN CURRENT IS	8.67 CM/S	PERSISTANCE IS	0.28
MAXIMUM CURRENT IS	20.73 CM/S	READINGS TAKEN EVERY	30.0 MINS.
MINIMUM CURRENT IS	1.50 CM/S		

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 5 HRS. ON 1 TH DAY OF FEB 1984  
 ENDED AT 2335 HRS. ON 29 TH DAY OF FEB 1984

TABLE 2.69

LOCATION CODE : 311  
 AREA : HUMBER ONTARIO PLACE  
 LAKE : L. ONT.  
 PERIOD : MAR 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES			
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS
1.50 --	4.99	0.34	2.69	10.69	4.03	0.13	0.07	0.07	0.40	18.41
5.00 --	7.99	1.41	1.34	11.69	5.38	0.54	1.08	2.35	1.41	25.20
8.00 --	10.99	0.20	0.94	12.90	3.23	0.07	0.40	3.09	2.96	23.79
11.00 --	13.99	0.00	0.20	6.38	0.54	0.00	0.60	3.90	2.02	13.64
14.00 --	16.99	0.00	0.20	2.35	0.74	0.07	0.20	4.97	1.55	10.08
17.00 --	19.99	0.00	0.00	1.34	0.81	0.00	0.00	2.96	0.87	5.98
20.00 --	22.99	0.00	0.00	0.81	0.27	0.00	0.00	1.01	0.13	2.22
23.00 --	25.39	0.00	0.00	0.34	0.07	0.00	0.00	0.27	0.00	0.67
COLUMN SUMS		1.95	5.38	46.51	15.05	0.81	2.35	18.62	9.34	100.00

RESULTANT CURRENT IS 1.62 CM/S AT 91. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 9.48 CM/S  
 MAXIMUM CURRENT IS 25.39 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.17  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 5 HRS. ON 1 TH DAY OF MAR 1984  
 ENDED AT 2335 HRS. ON 31 TH DAY OF MAR 1984

TABLE 2.70

LOCATION CODE : 311  
 AREA : HUMBER ONTARIO PLACE  
 LAKE : L. ONT.  
 PERIOD : APR 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

	DIRECTION				IN DEGREES					
SPEED(CM/S)	337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 -- 4.99	2.43	4.31	17.22	5.97	2.29	3.26	4.31	8.40	48.19	
5.00 -- 7.99	0.97	0.97	8.47	0.83	0.28	0.97	4.03	6.46	22.99	
8.00 -- 10.99	0.14	0.07	3.33	0.07	0.00	0.00	5.56	5.69	14.86	
11.00 -- 13.99	0.00	0.00	0.42	0.00	0.00	0.00	3.89	1.81	6.11	
14.00 -- 16.99	0.00	0.00	0.35	0.00	0.00	0.00	2.08	0.97	3.40	
17.00 -- 19.99	0.00	0.07	0.21	0.07	0.07	0.00	0.62	0.28	1.32	
20.00 -- 22.99	0.00	0.00	0.35	0.00	0.00	0.00	0.76	0.14	1.25	
23.00 -- 27.54	0.00	0.00	0.62	0.14	0.00	0.00	1.04	0.07	1.87	
COLUMN SUMS	3.54	5.42	30.97	7.08	2.64	4.24	22.29	23.82	100.00	

RESULTANT CURRENT IS 2.01 CM/S AT 306. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 6.48 CM/S  
 MAXIMUM CURRENT IS 27.54 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1440  
 PERSISTANCE IS 0.31  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 5 HRS. ON 1 TH DAY OF APR 1984  
 ENDED AT 2335 HRS. ON 30 TH DAY OF APR 1984

TABLE 2.71

LOCATION CODE : 311  
 AREA : HUMBER ONTARIO PLACE  
 LAKE : L. ONT.  
 PERIOD : MAY 1984  
 LATITUDE : 43 37 59 N  
 LONGITUDE : 79 27 15 W  
 ANGLE FROM MAGNETIC NORTH TO SHORELINE IS 0 DEGREES CLOCKWISE

## FREQUENCY TABLE

		DIRECTION					IN DEGREES				
SPEED(CM/S)		337.50- 22.49	22.50- 67.49	67.50- 112.49	112.50- 157.49	157.50- 202.49	202.50- 247.49	247.50- 292.49	292.50- 337.49	ROW SUMS	
1.50 --	3.99	0.20	0.47	9.81	16.33	2.49	1.88	3.29	1.75	36.22	
4.00 --	5.99	0.07	0.27	10.82	8.87	0.74	0.74	1.34	1.48	24.33	
6.00 --	7.99	0.20	0.20	6.85	3.90	0.40	0.47	2.15	1.21	15.39	
8.00 --	9.99	0.07	0.20	6.92	3.43	0.40	0.60	2.15	1.68	15.46	
10.00 --	11.99	0.00	0.13	1.81	0.87	0.07	0.00	0.81	0.20	3.90	
12.00 --	13.99	0.00	0.00	0.47	0.20	0.00	0.00	1.21	0.20	2.08	
14.00 --	15.99	0.00	0.00	1.14	0.20	0.00	0.00	0.87	0.27	2.49	
16.00 --	16.25	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.07	0.13	
COLUMN SUMS		0.54	1.28	37.90	33.80	4.10	3.70	11.83	6.85	100.00	

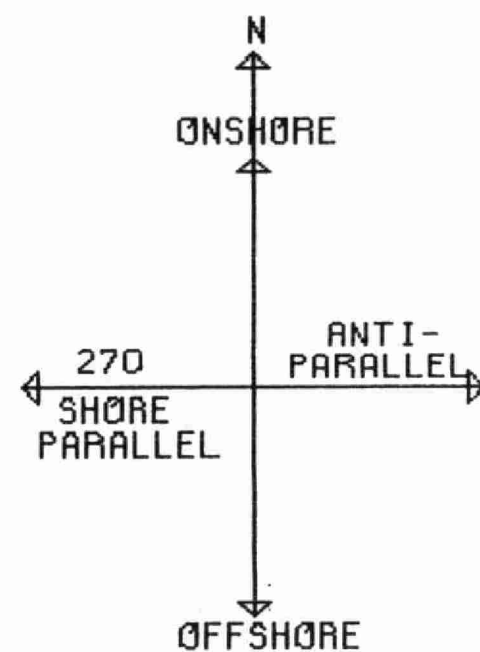
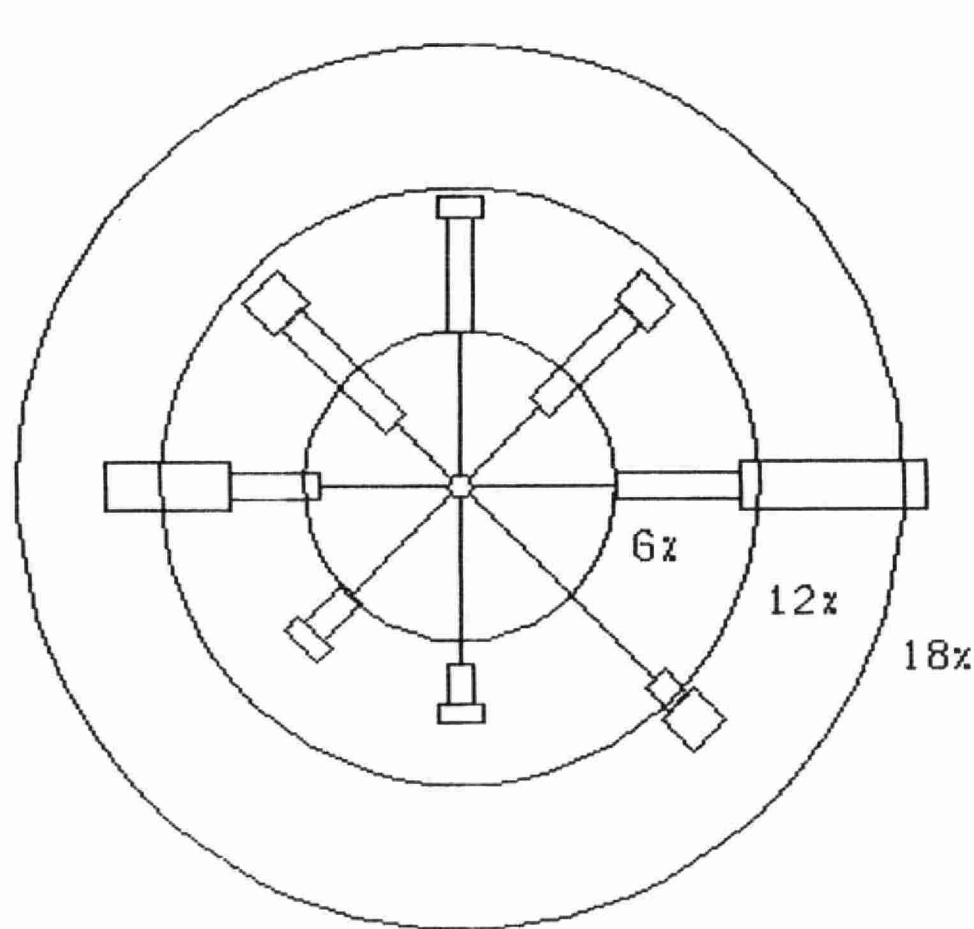
RESULTANT CURRENT IS 2.52 CM/S AT 116. DEG. FROM MAG. NORTH  
 MEAN CURRENT IS 5.70 CM/S  
 MAXIMUM CURRENT IS 16.25 CM/S  
 MINIMUM CURRENT IS 1.50 CM/S  
 TOTAL NO. OF POINTS 1488  
 PERSISTANCE IS 0.44  
 READINGS TAKEN EVERY 30.0 MINS.

## METER OPERATIONS

METER OPERATED AT 6.7 M FROM BOTTOM IN 11.0 M OF WATER

STARTED AT 5 HRS. ON 1 TH DAY OF MAY 1984  
 ENDED AT 2335 HRS. ON 31 TH DAY OF MAY 1984

LOCATION - 306 ( MAY 83 )



LEGEND

- 1.5 - 2.0 CM/S
- ▬ 2.0 - 4.0 CM/S
- ▬ 4.0 + CM/S

FIG. 1.01 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.

LOCATION - 306 ( JUN 83 )

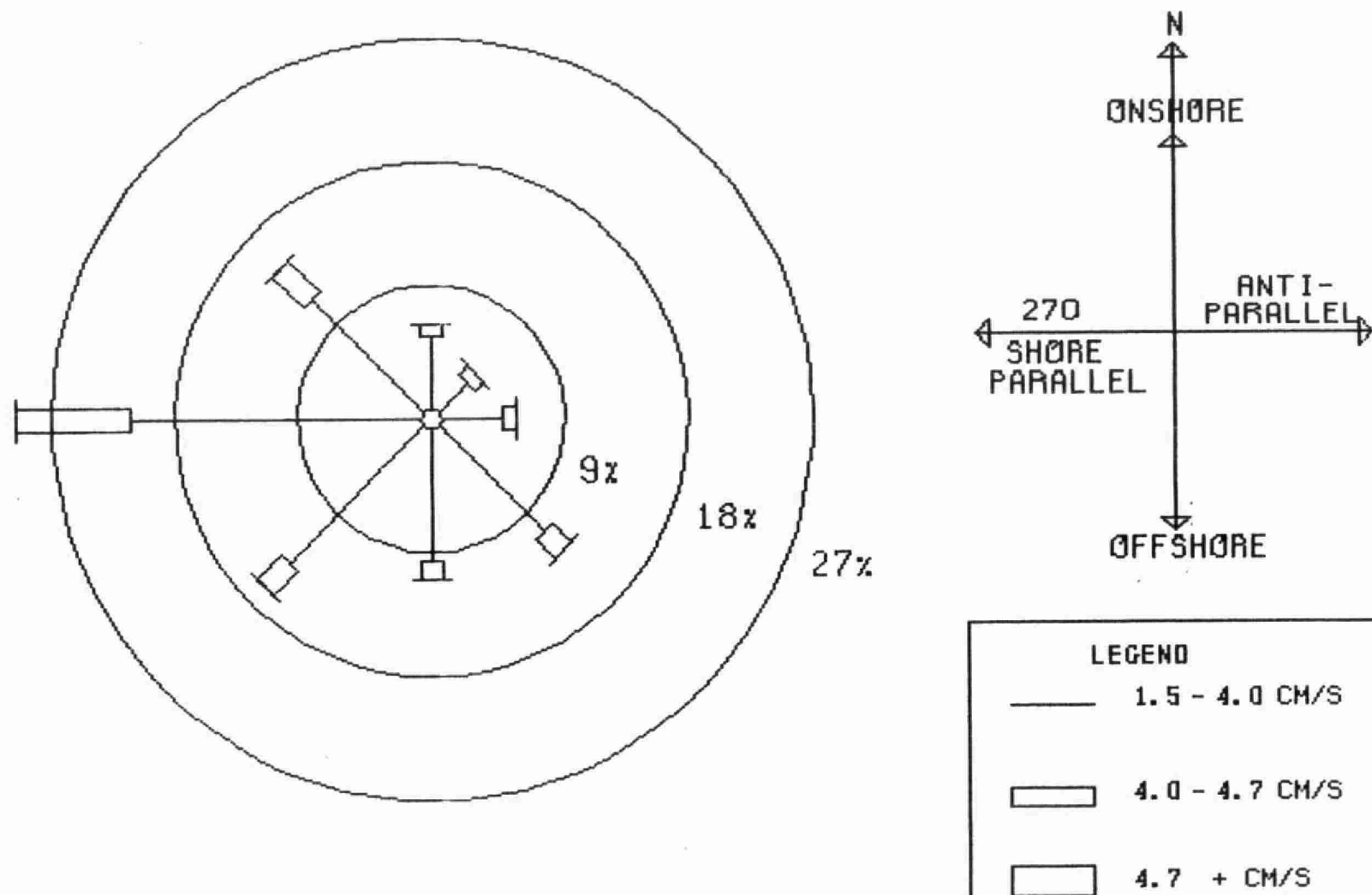
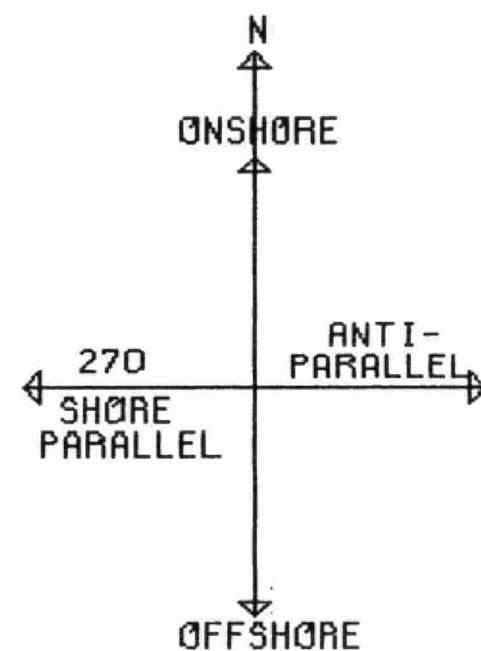
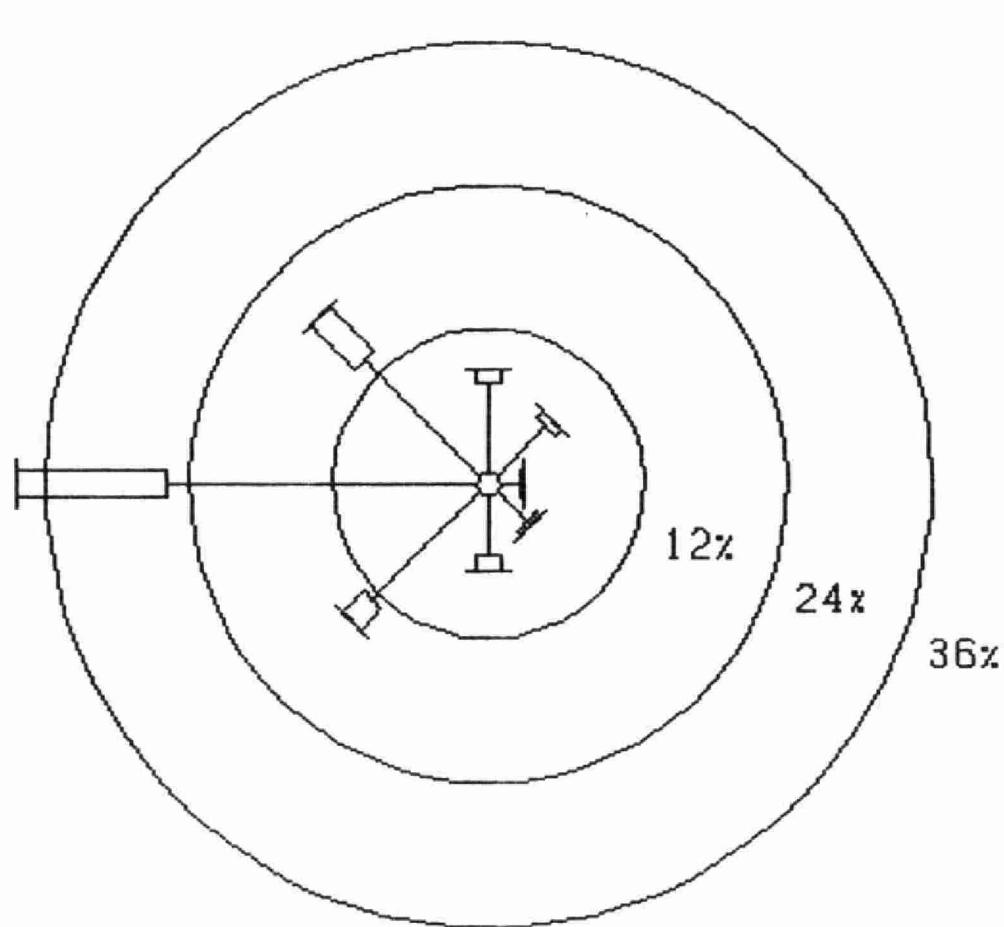


FIG. 1.02 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.

LOCATION - 306 ( JUL 83 )

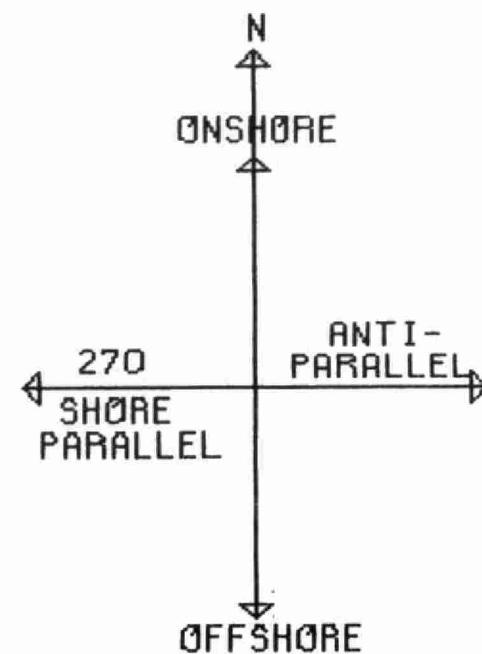
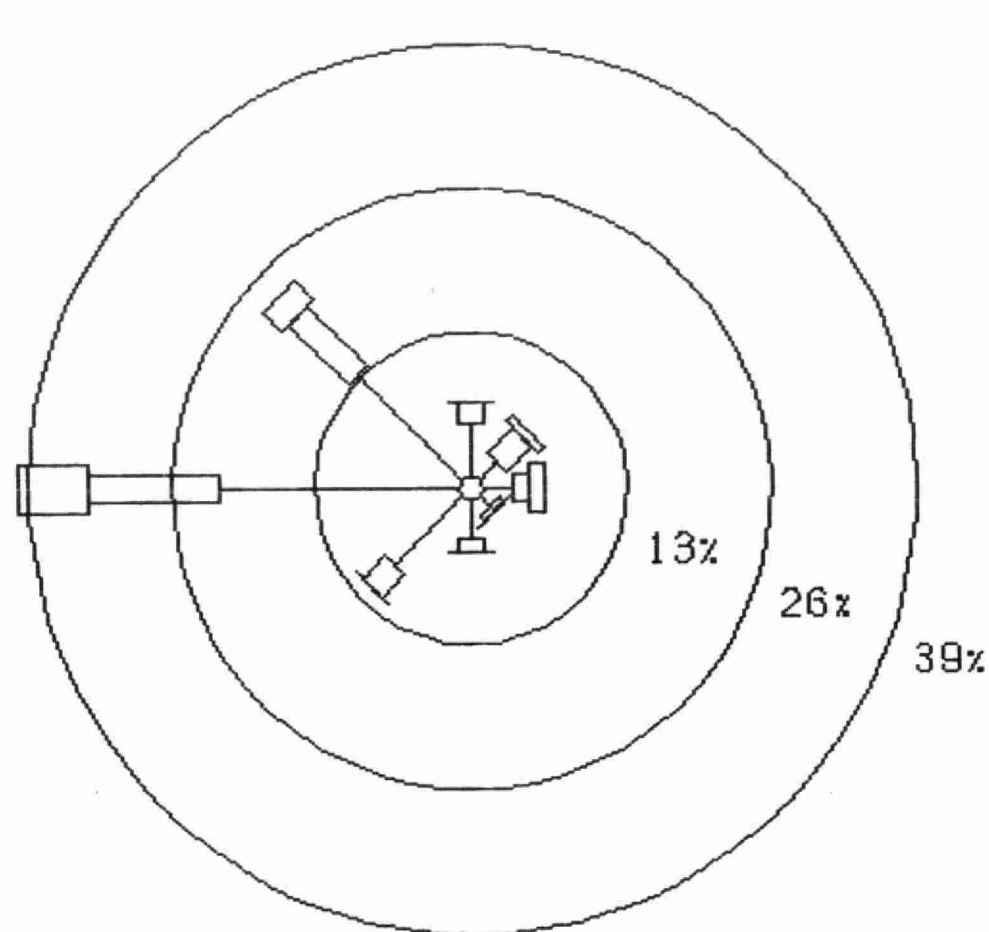


LEGEND

- 1.5 - 4.0 CM/S
- 4.0 - 7.1 CM/S
- 7.1 + CM/S

FIG. 1.03 : CURRENT ROSE HISTOGRAM: HUMBER B L. ONT.

LOCATION - 306 ( AUG 83 )



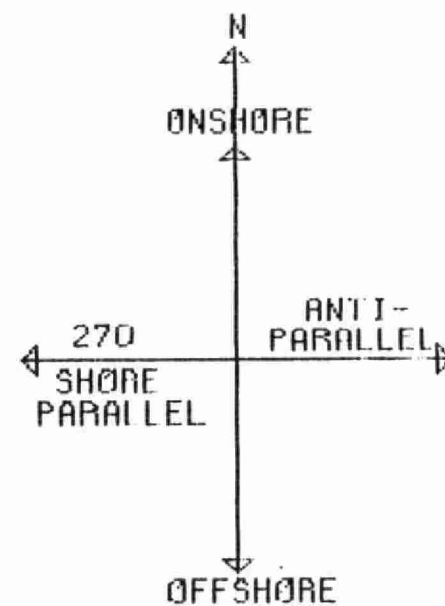
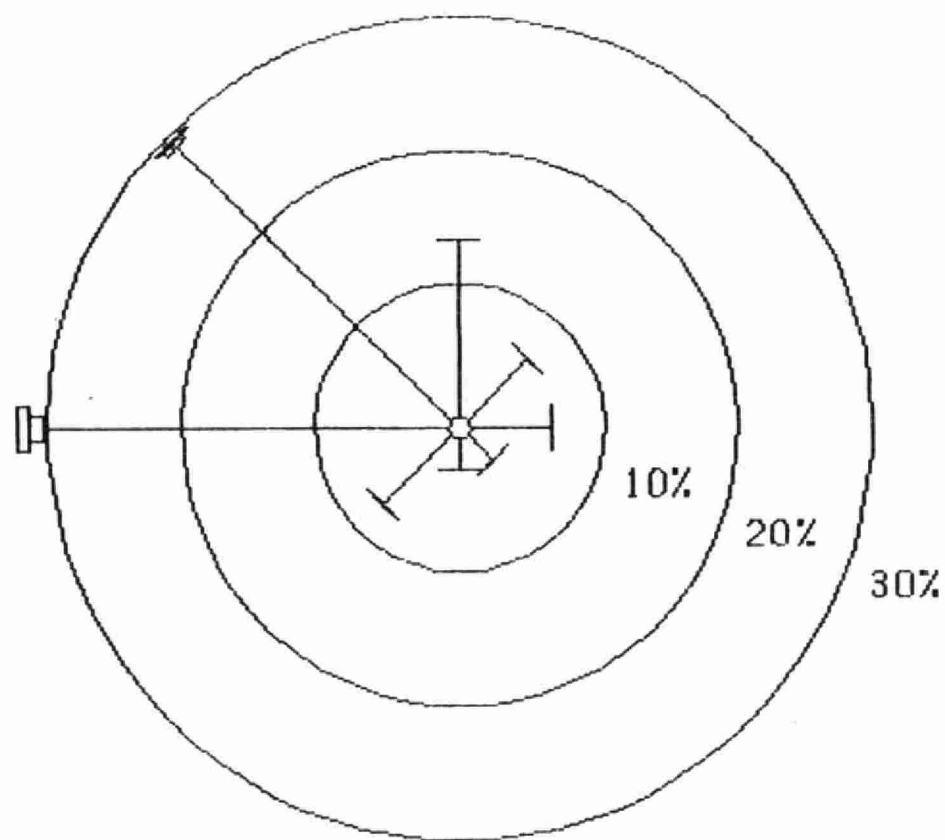
LEGEND

- 1.5 - 4.0 CM/S
- ▭ 4.0 - 10.0 CM/S
- ▭ 10.0 + CM/S

FIG. 1.04 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.



LOCATION - 306 ( SEP 83 )

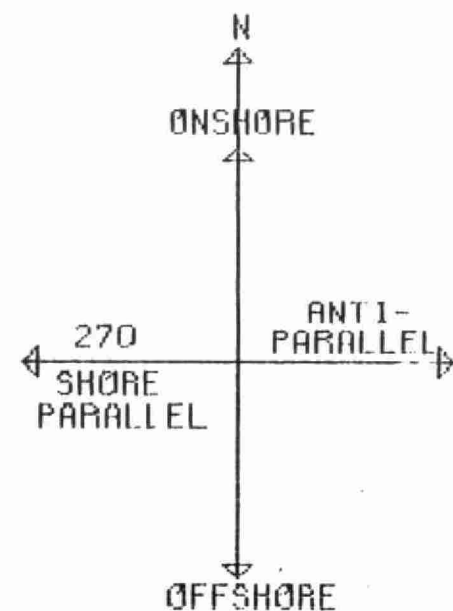
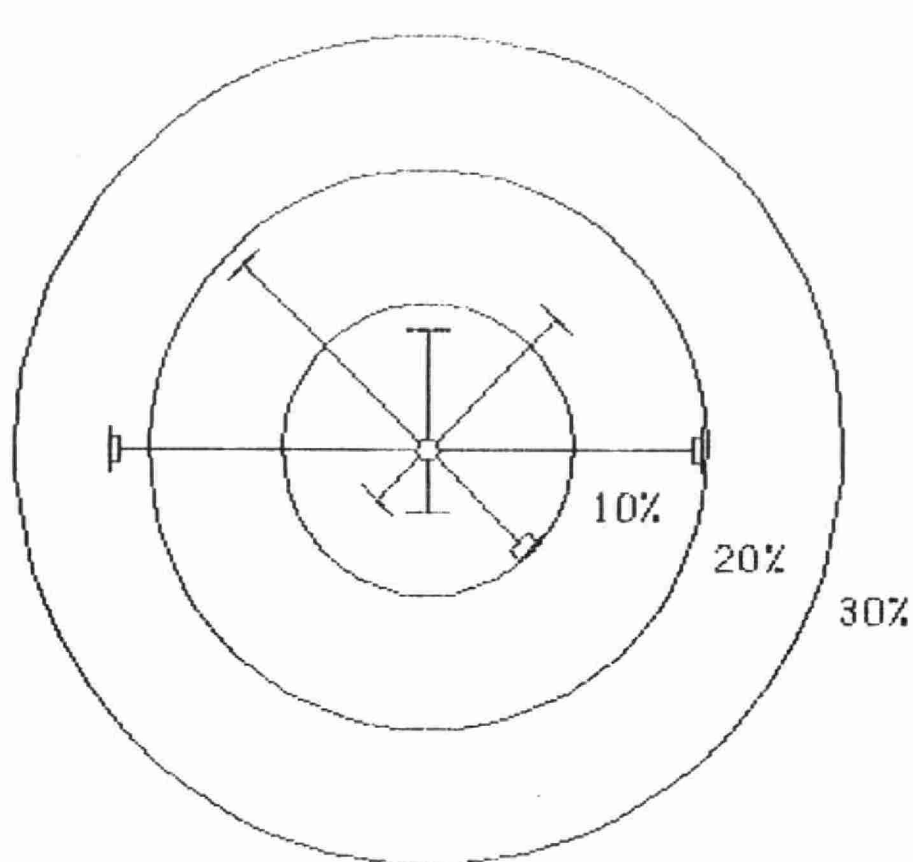


LEGEND

- 1.5 - 10.0 CM/S
- ▭ 10.0 - 14.2 CM/S
- ▭ 14.2 + CM/S

FIG. 1.05 : CURRENT ROSE HISTOGRAM : HUM. BAY-BLVD. CLUB L. ONT

LOCATION - 306 ( OCT 83)

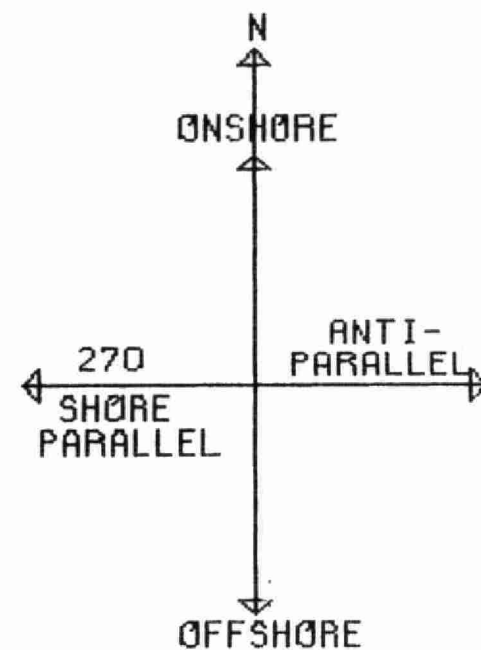
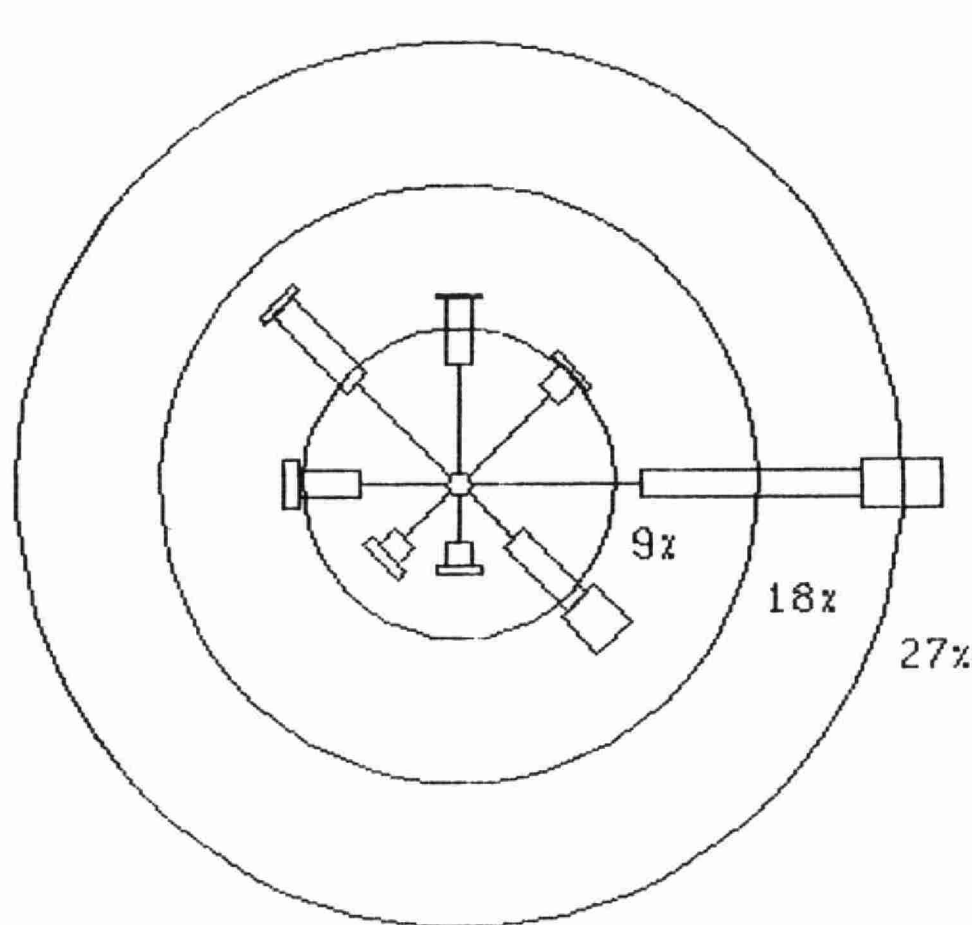


LEGEND

- 1.5 - 12.2 CM/S
- ▤ 12.2 - 17.6 CM/S
- ▥ 17.6 + CM/S

FIG. 1.06 : CURRENT ROSE HISTOGRAM : HUM. BAY-BLVD. CLUB L. ONT

LOCATION - 306 ( NOV 83 )

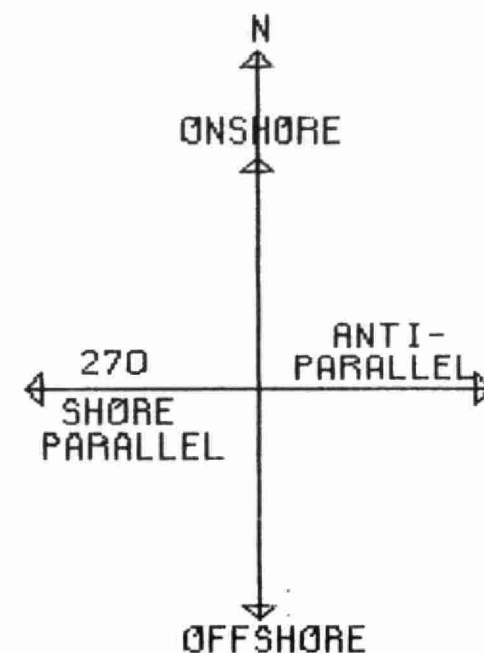
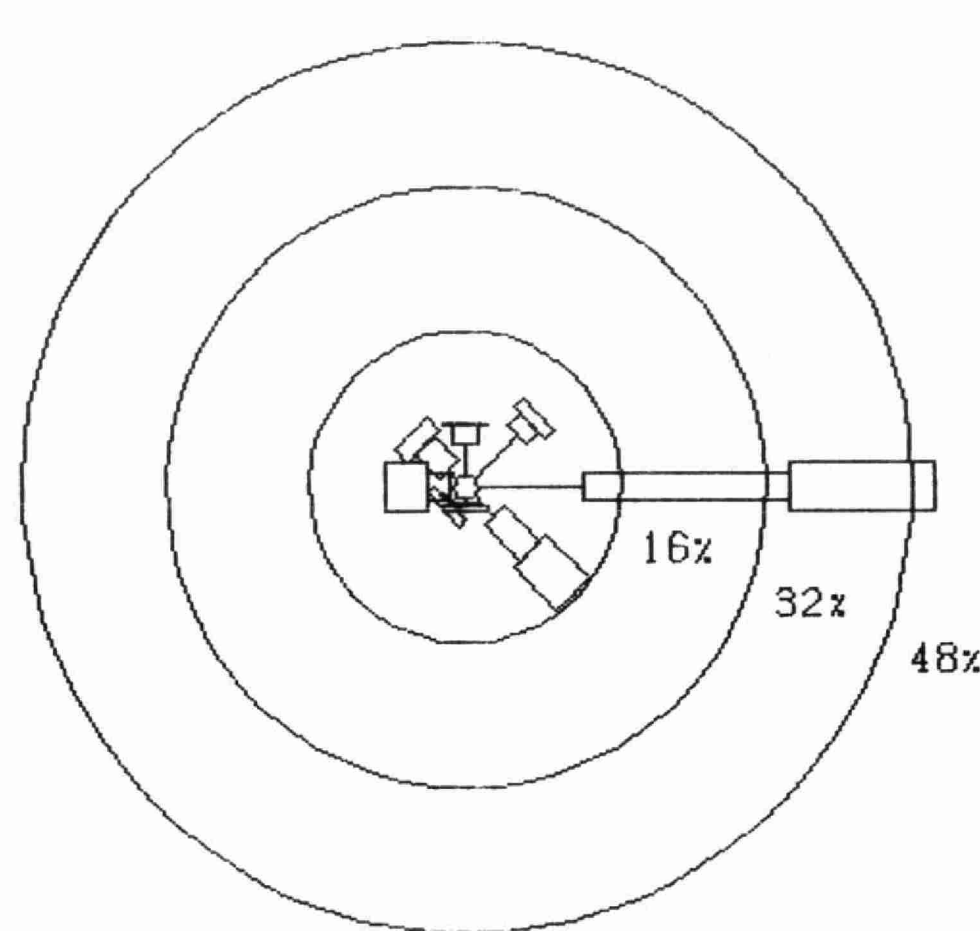


LEGEND

- 1.5 - 4.0 CM/S
- 4.0 - 10.0 CM/S
- 10.0 + CM/S

FIG. 1.07 : CURRENT ROSE HISTOGRAM: HUMBER BOULEVARD L. ONT.

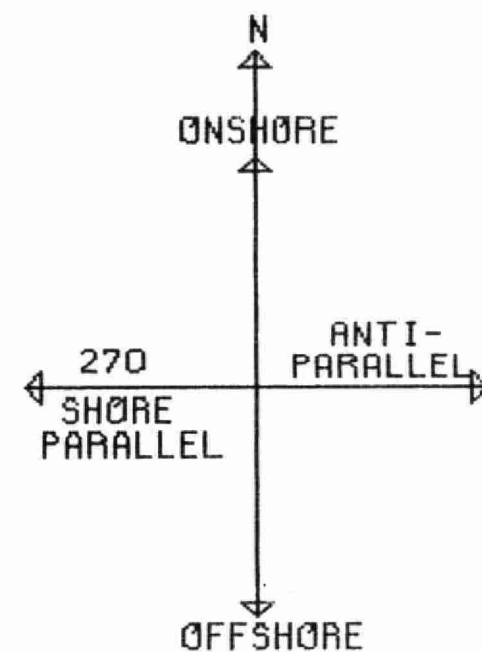
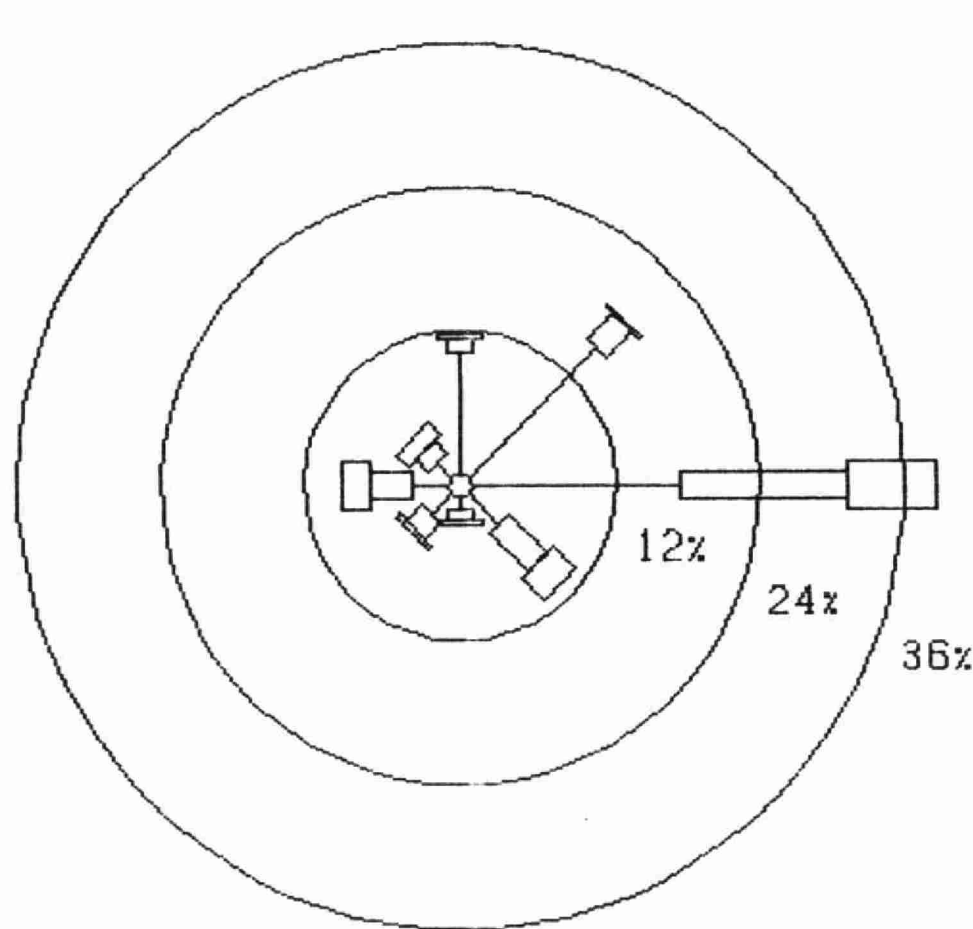
LOCATION - 306 ( DEC 83 )



LEGEND	
—	1.5 - 4.0 CM/S
▬	4.0 - 8.0 CM/S
▬	8.0 + CM/S

FIG.1.08 : CURRENT ROSE HISTOGRAM: HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( JAN 84 )

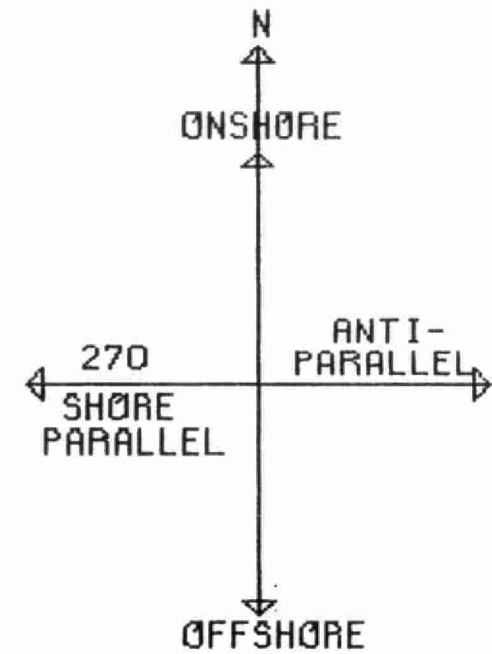
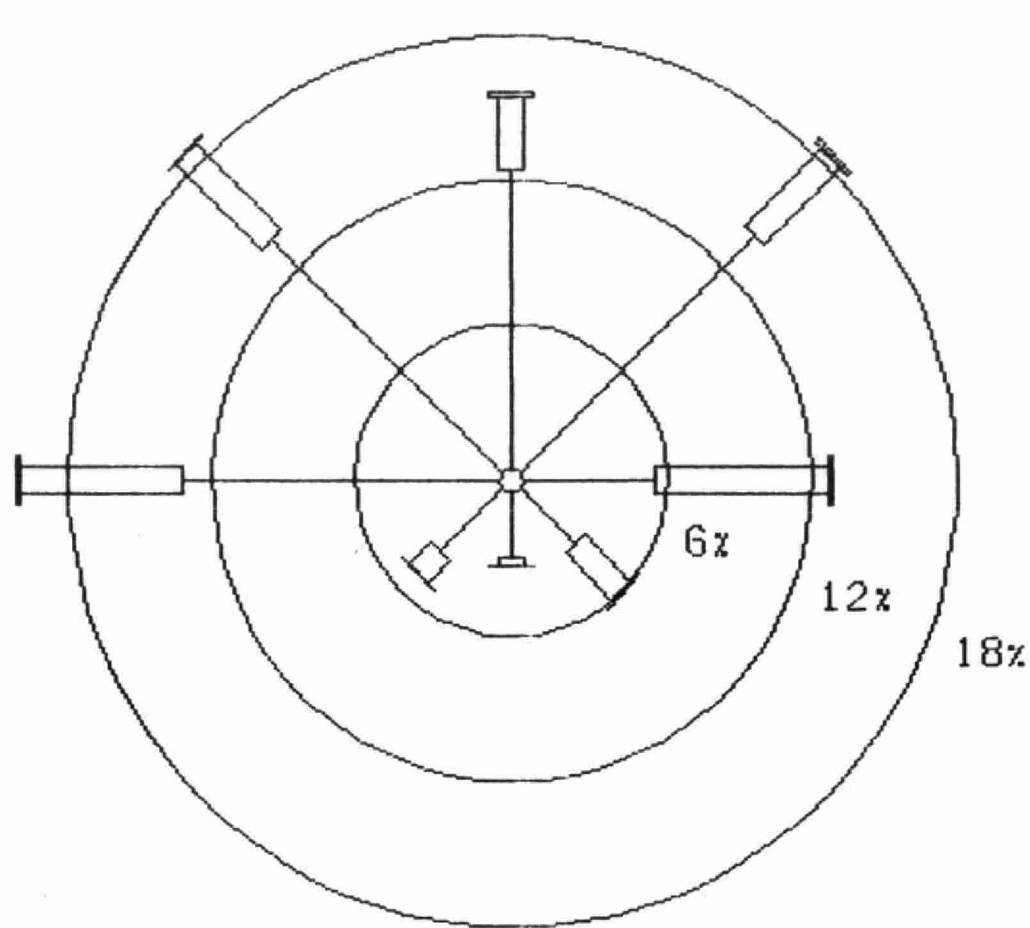


LEGEND

- 1.5 - 4.0 CM/S
- 4.0 - 8.0 CM/S
- 8.0 + CM/S

FIG. 1.09 : CURRENT ROSE HISTOGRAM: HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( FEB 84 )

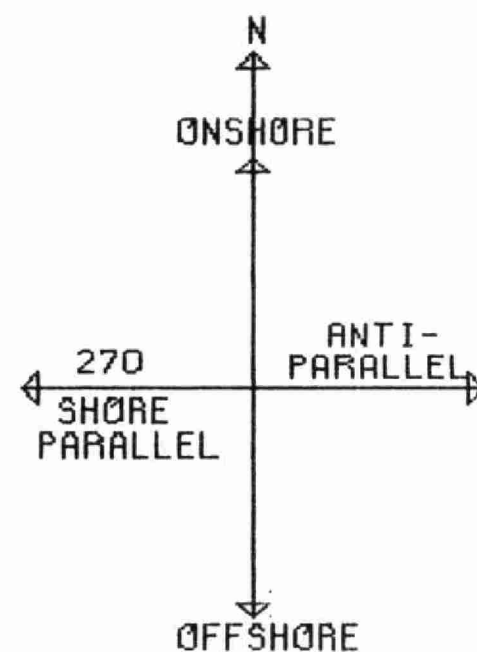
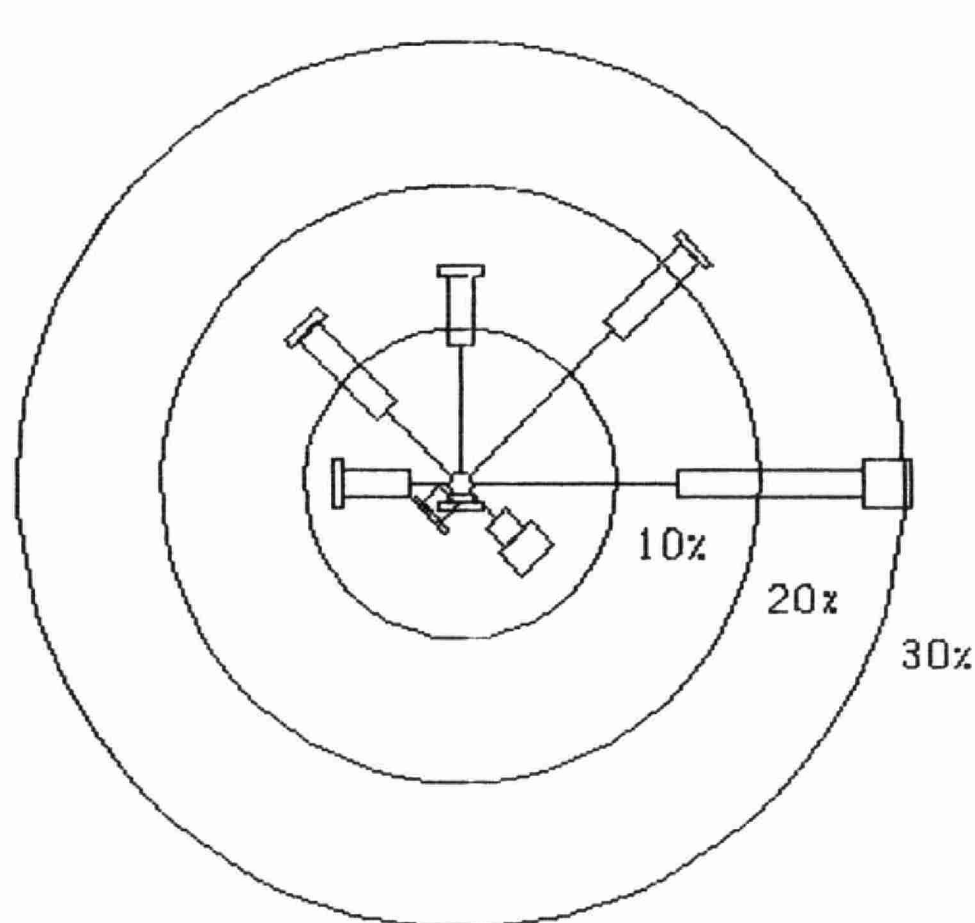


LEGEND

- 1.5 - 4.0 CM/S
- ▭ 4.0 - 16.0 CM/S
- ▭ 16.0 + CM/S

FIG. 1.10 : CURRENT ROSE HISTOGRAM: HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( MAR 84 )

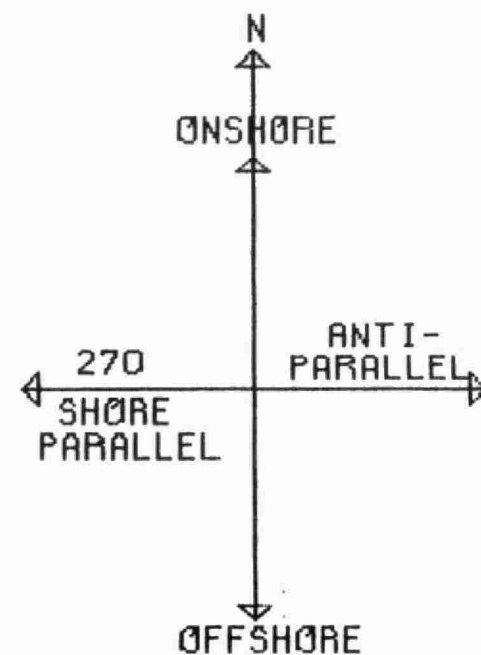
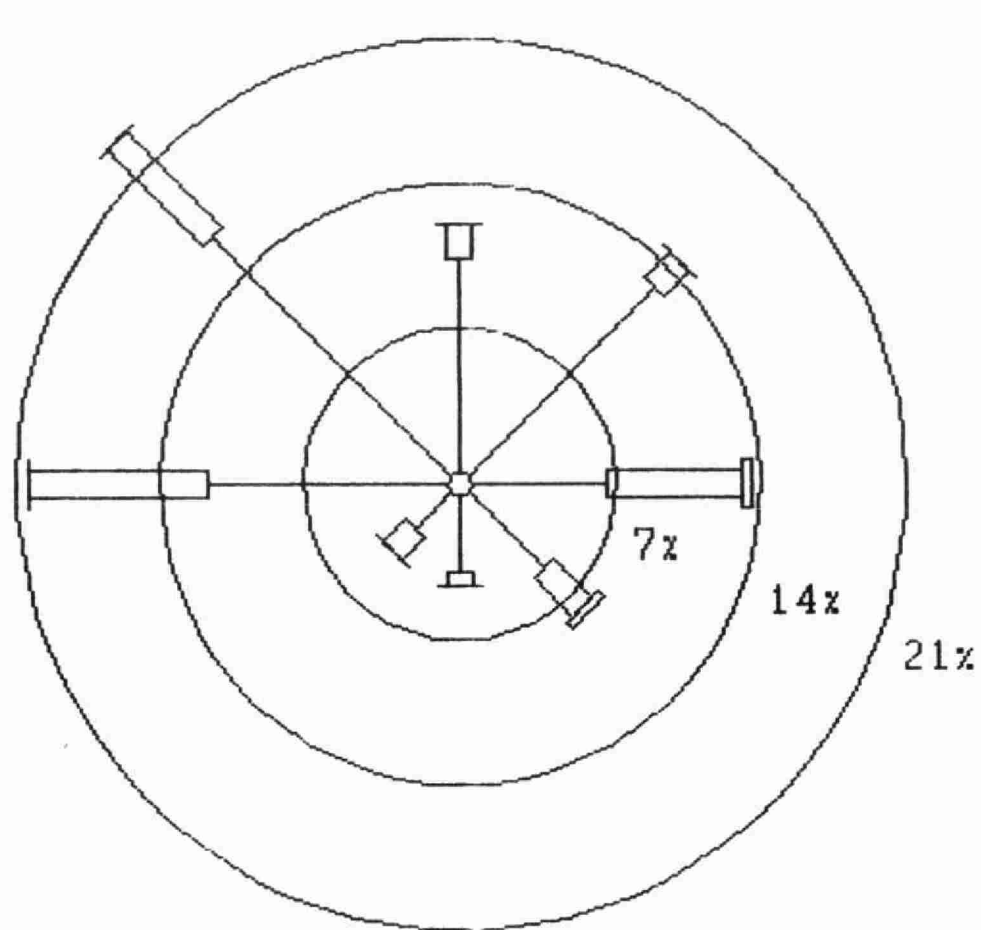


LEGEND

- 1.5 - 4.0 CM/S
- ▭ 4.0 - 10.0 CM/S
- ▭ 10.0 + CM/S

FIG.1.11 : CURRENT ROSE HISTOGRAM: HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( APR 84)

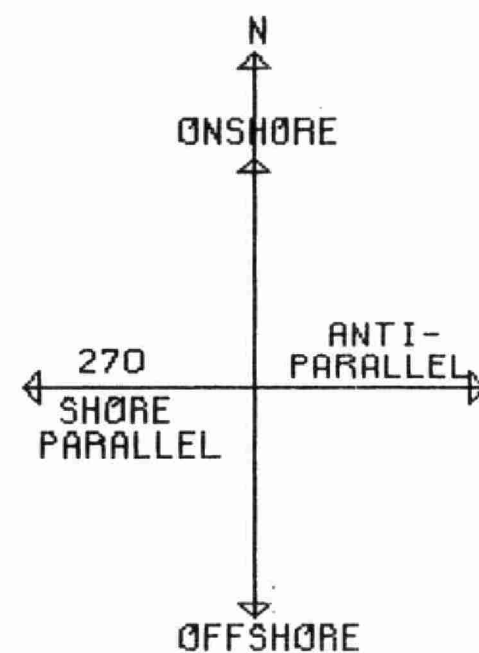
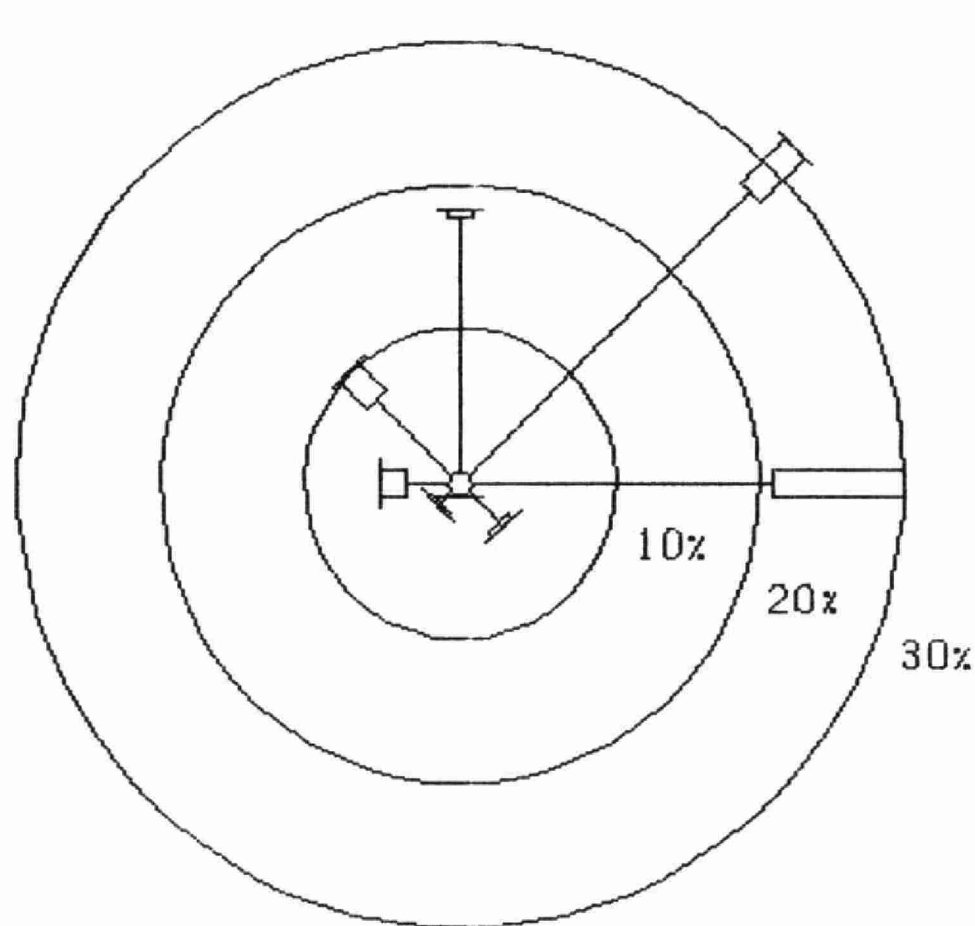


LEGEND	
	1.5 - 3.0 CM/S
	3.0 - 15.0 CM/S
	15.0 + CM/S

FIG. 1.12 : CURRENT ROSE HISTOGRAM: HUMBER BOULEVARD L. ONT.



LOCATION - 306 ( MAY 84 )



LEGEND	
—	1.5 - 3.0 CM/S
□	3.0 - 5.6 CM/S
□	5.6 + CM/S

FIG. 1.13 : CURRENT ROSE HISTOGRAM: HUMBER BOULEVARD L. ONT.

LOCATION - 307 ( SEP 83 )

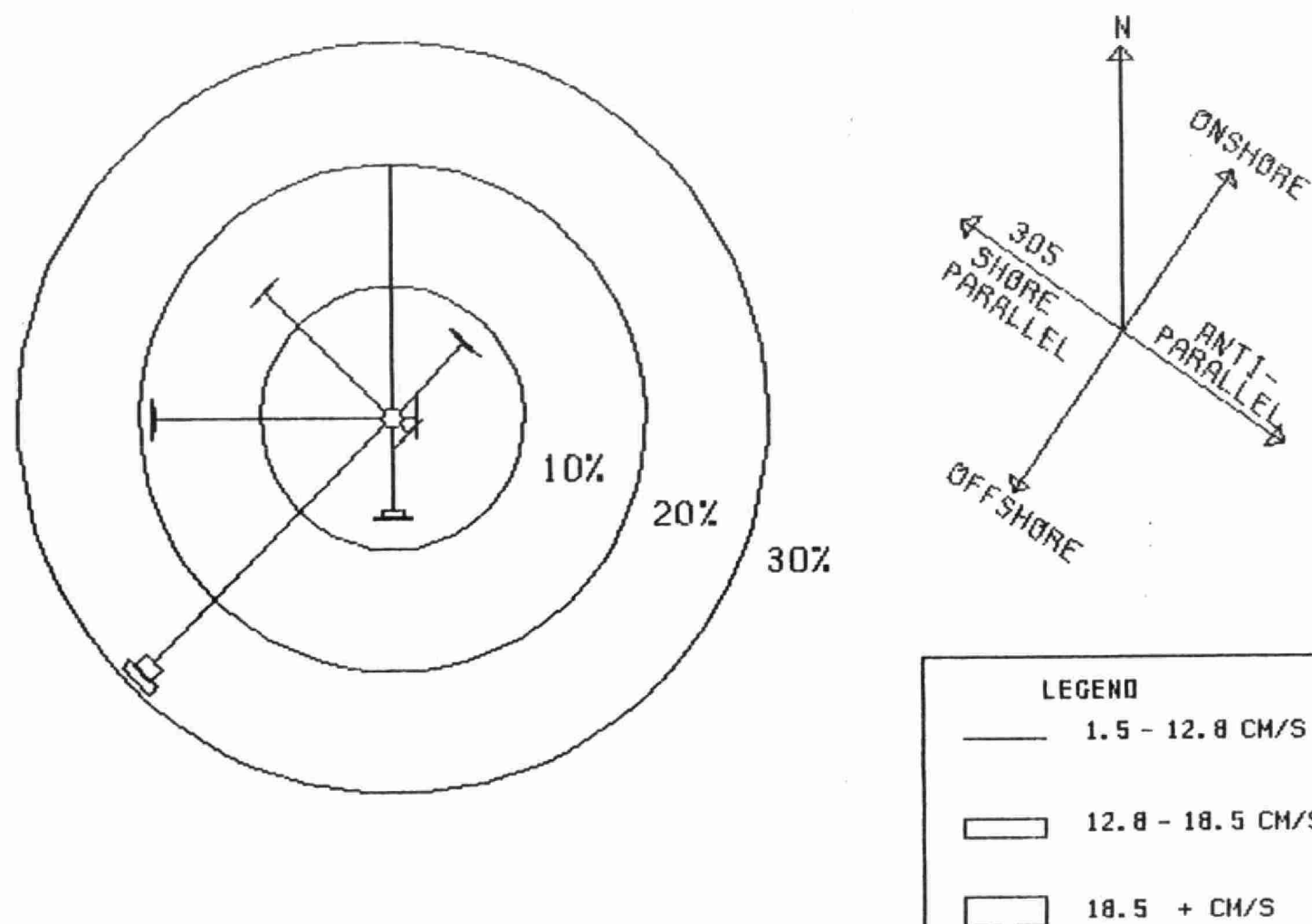
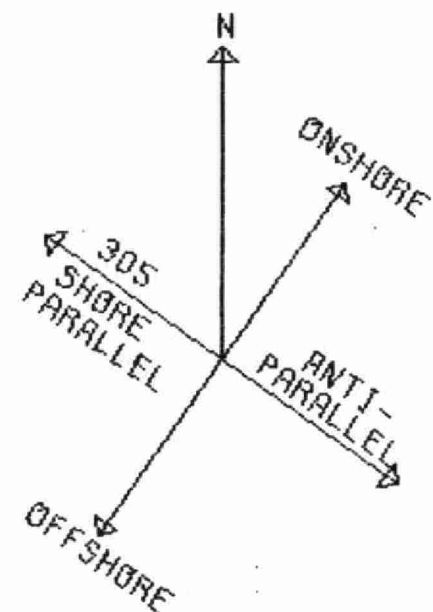
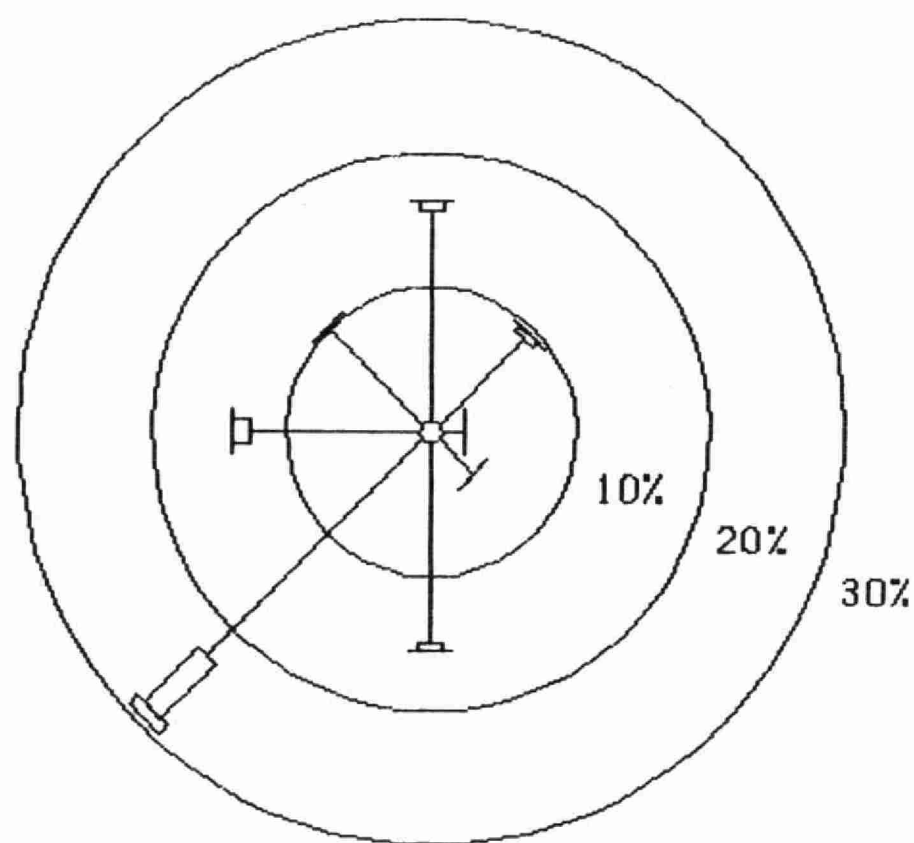


FIG. 1.15 : CURRENT ROSE HISTOGRAM : HUM. BAY-RIVER MOUTH L. ONT

LOCATION - 307 ( AUG 83 )



LEGEND

— 1.5 - 9.1 CM/S

▭ 9.1 - 12.9 CM/S

▭ 12.9 + CM/S

FIG. 1.14 : CURRENT ROSE HISTOGRAM : HUM. BAY-RIVER MOUTH L. ONT

LOCATION - 307 ( OCT 83)

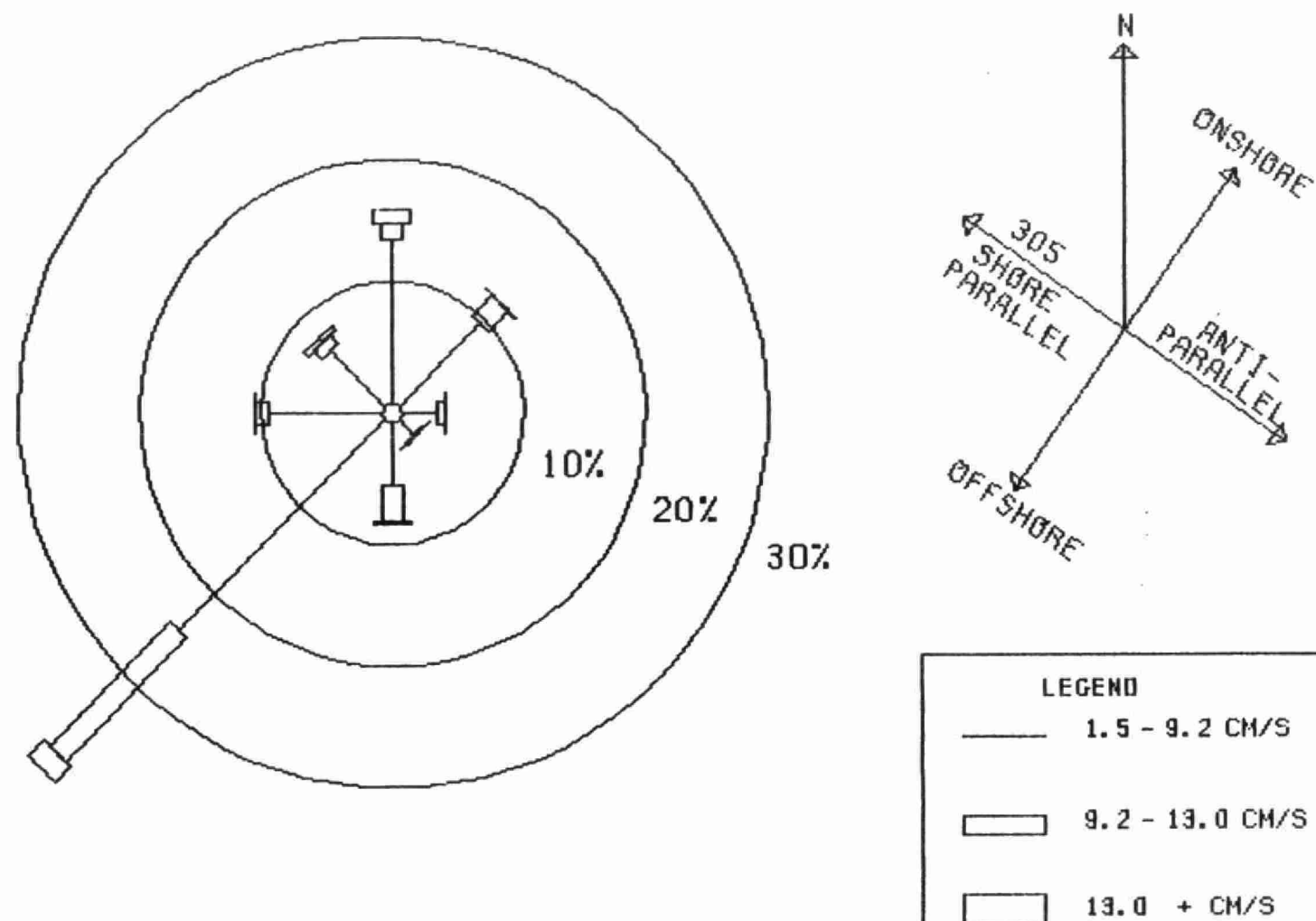


FIG. 1.16 : CURRENT ROSE HISTOGRAM : HUM. BAY-RIVER MOUTH L.ONT

LOCATION - 307 ( NOV 83)

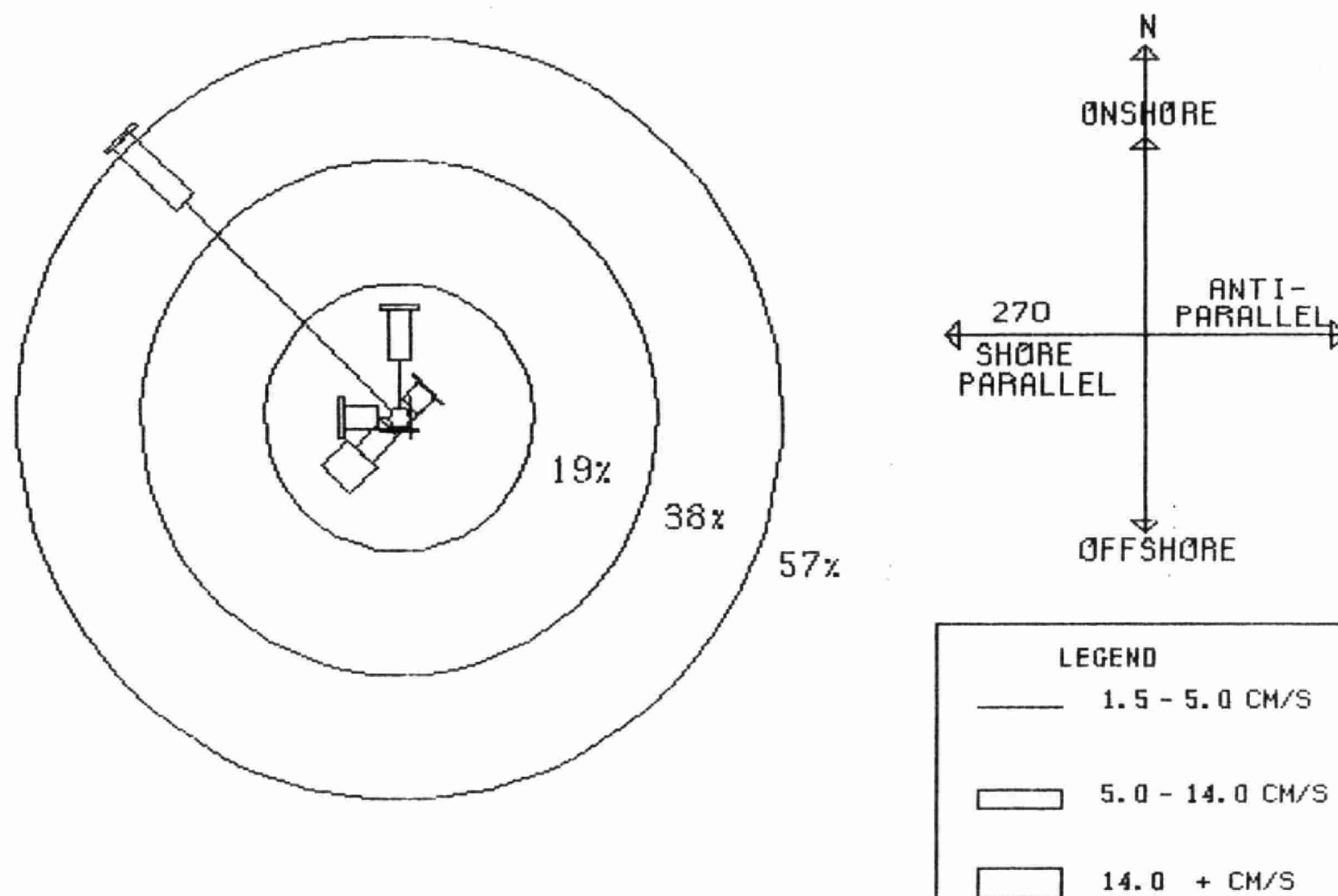
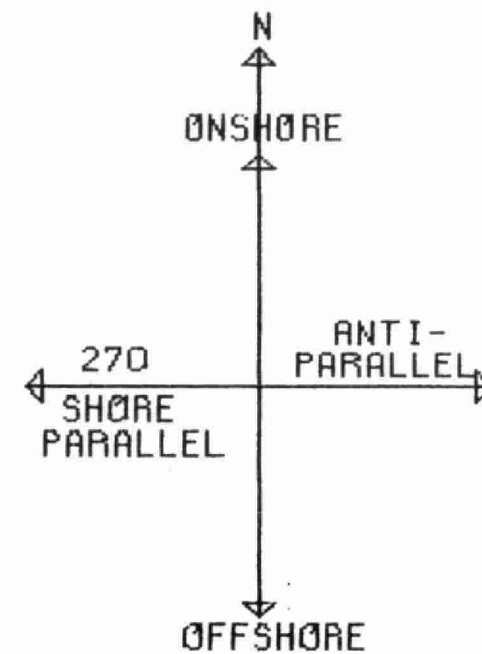
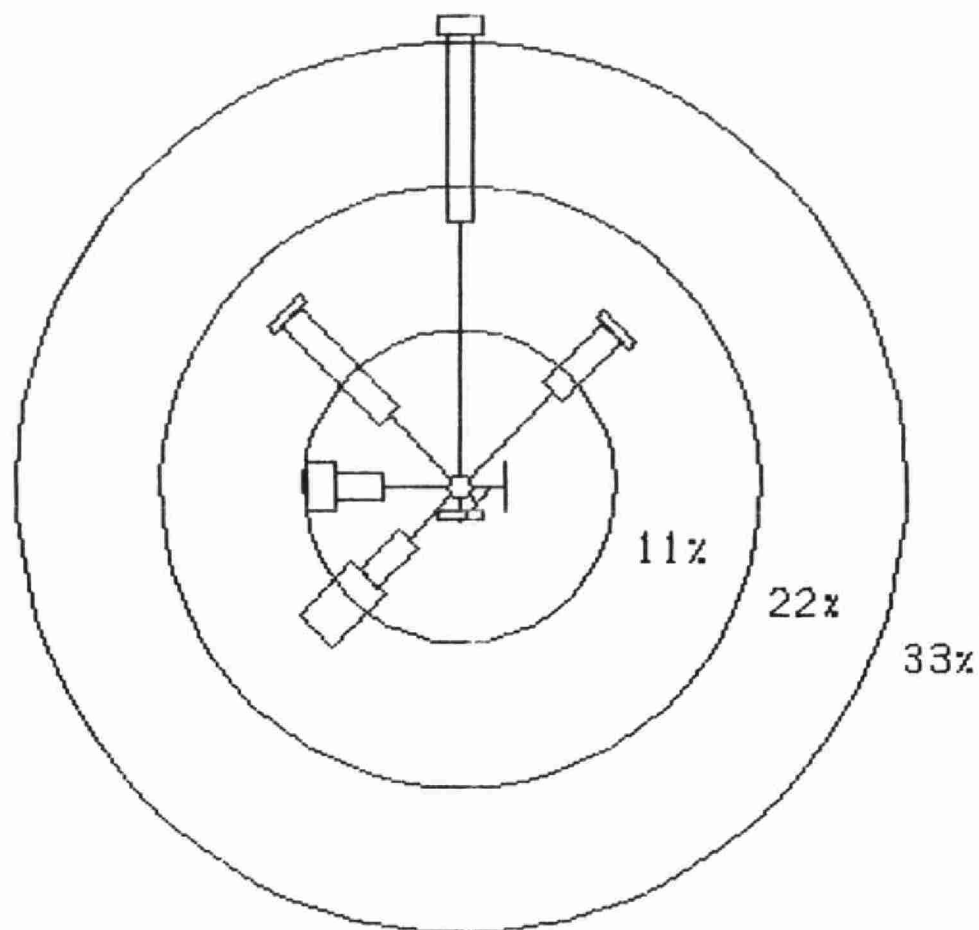


FIG. 1.17 : CURRENT ROSE HISTOGRAM: HUMBER RIVER L. ONT.

LOCATION - 307 ( DEC 83 )



LEGEND

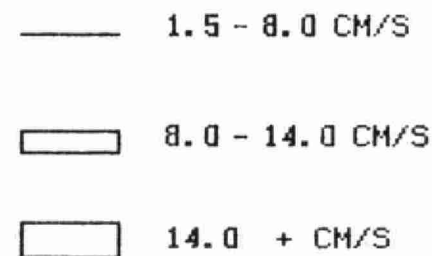
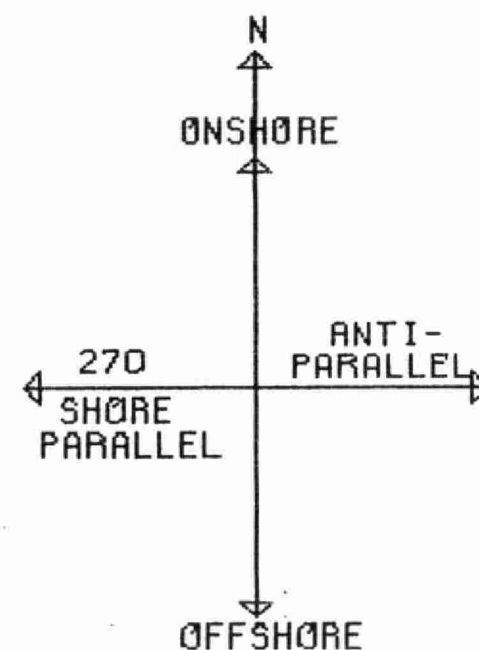
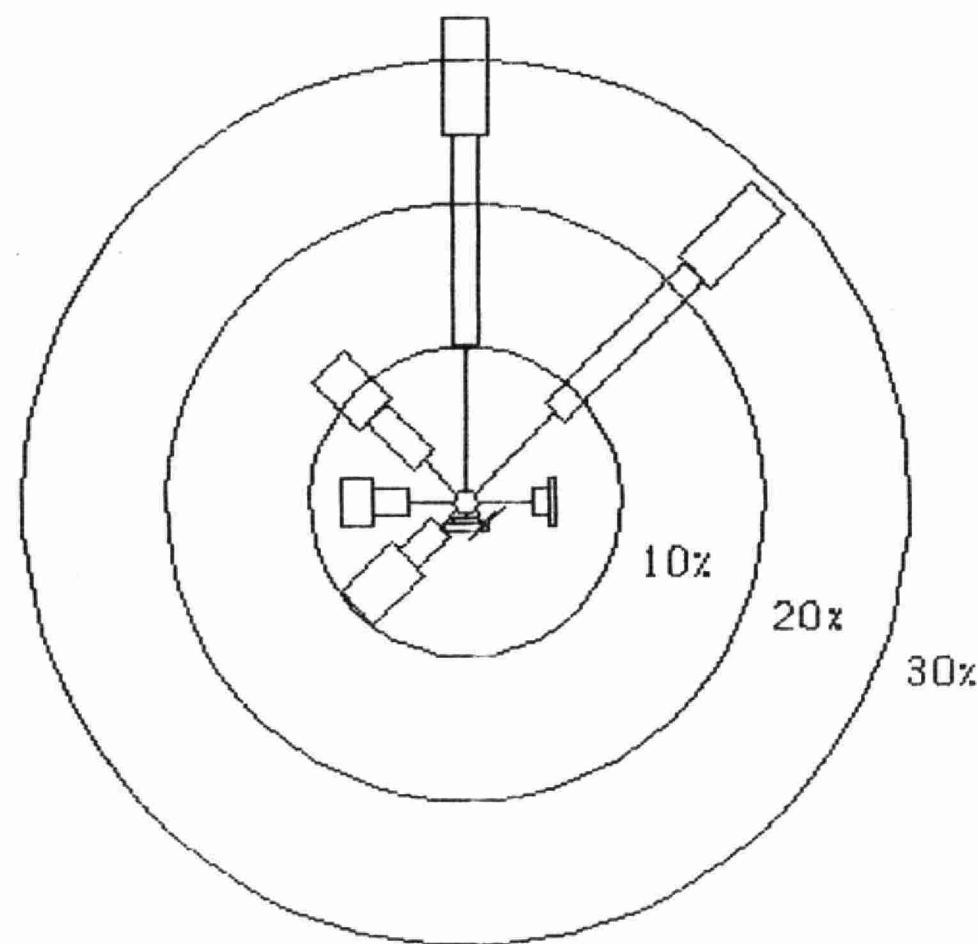


FIG. 1.18 : CURRENT ROSE HISTOGRAM: HUMBER RIVER L. ONT.

LOCATION - 307 ( JAN 84 )






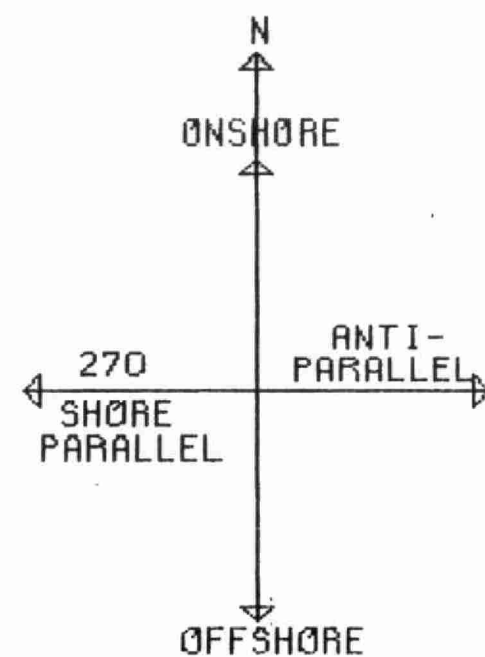
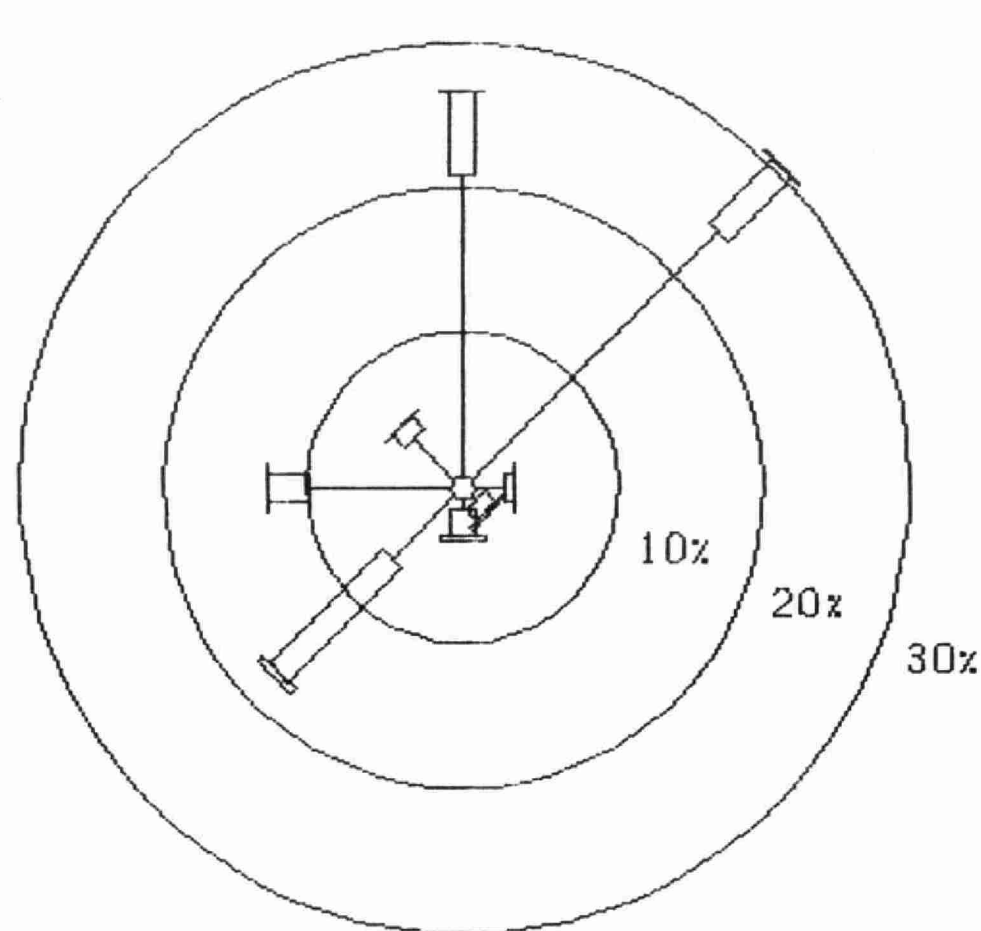
LEGEND	
	1.5 - 4.0 CM/S
	4.0 - 8.0 CM/S
	8.0 + CM/S

FIG. 1.19 : CURRENT ROSE HISTOGRAM: HUMBER RIVER L. ONT.

LOCATION - 307 ( FEB 84)



LEGEND

- 1.5 - 6.0 CM/S
- ▒ 6.0 - 22.0 CM/S
- 22.0 + CM/S

FIG. 1.20 : CURRENT ROSE HISTOGRAM: HUMBER RIVER L. ONT.



LOCATION - 307 ( MAR 84 )

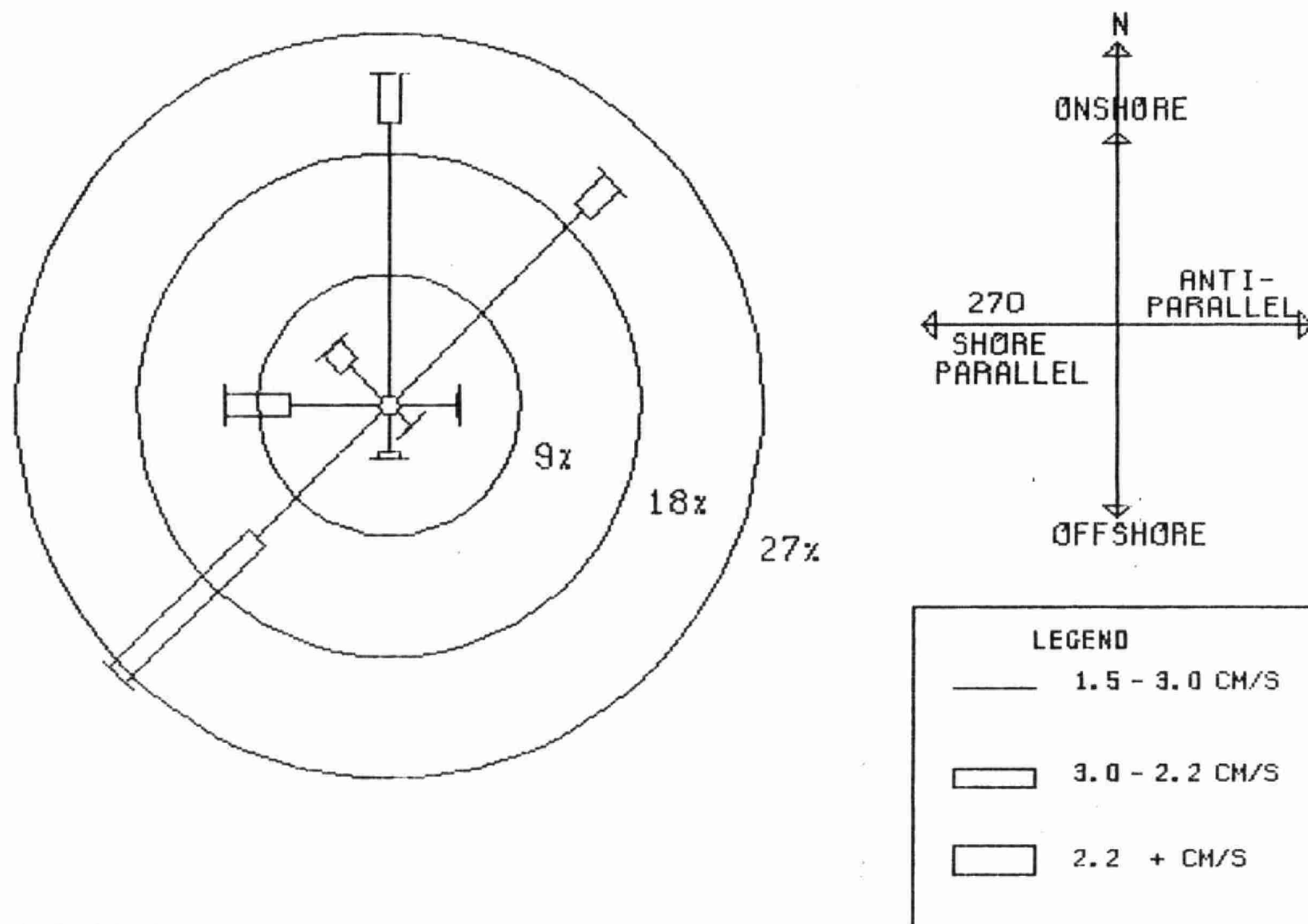


FIG. 1.21 : CURRENT ROSE HISTOGRAM: HUMBER RIVER L. ONT.

LOCATION - 307 ( APR 84)

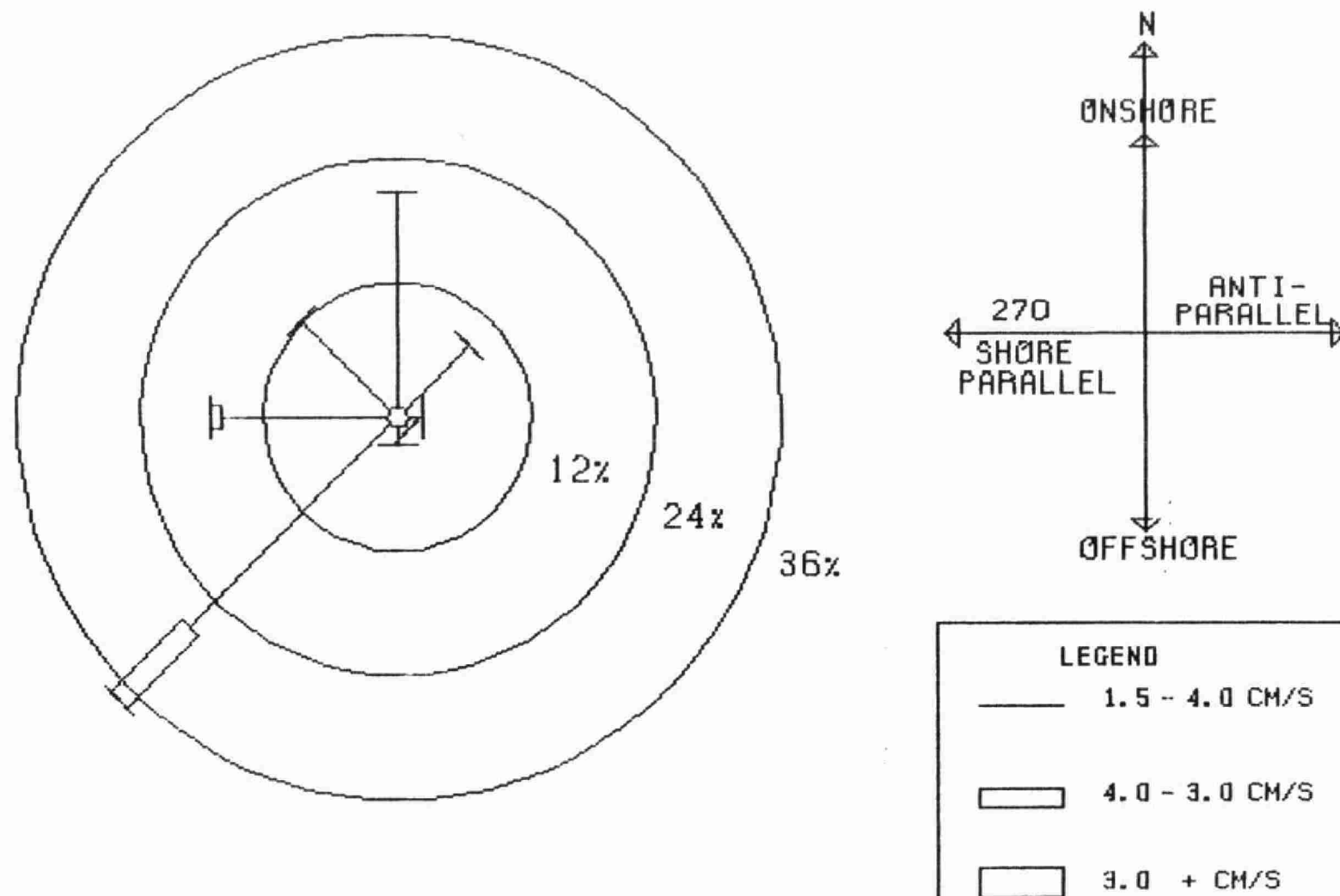
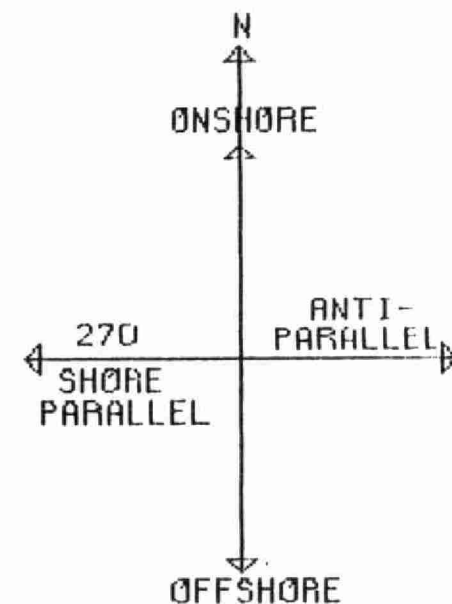
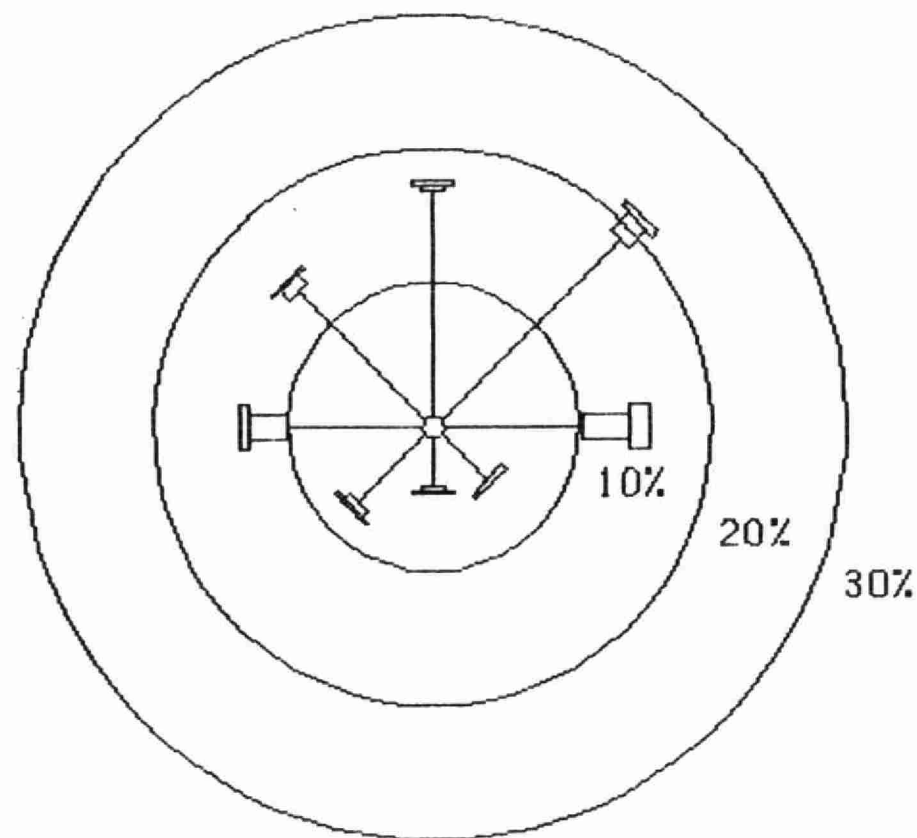


FIG. 1.22 : CURRENT ROSE HISTOGRAM: HUMBER RIVER L. ONT.

LOCATION - 308 ( JUL 83 )

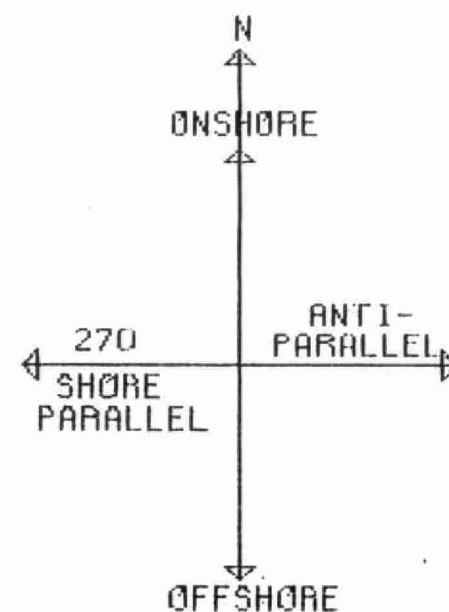
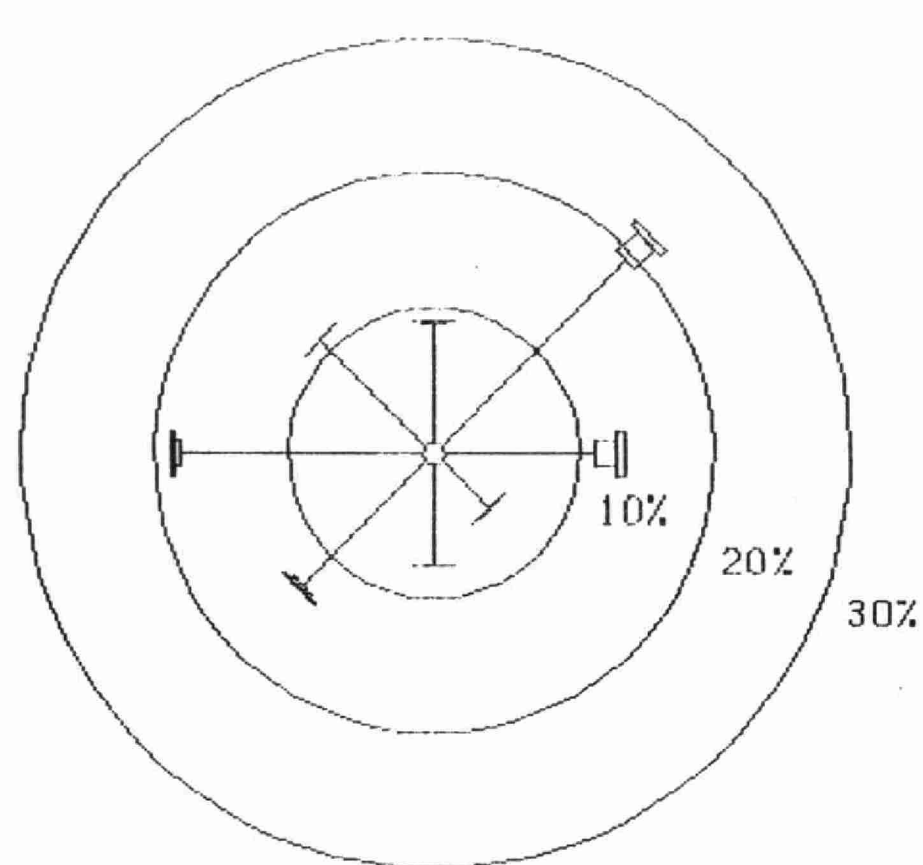


LEGEND

- 1.5 - 7.8 CM/S
- ▤ 7.8 - 11.0 CM/S
- ▥ 11.0 + CM/S

FIG. 1.23 : CURRENT ROSE HISTOGRAM : HUMBER BAY-MIDDLE L. ONT

LOCATION - 308 ( AUG 83 )

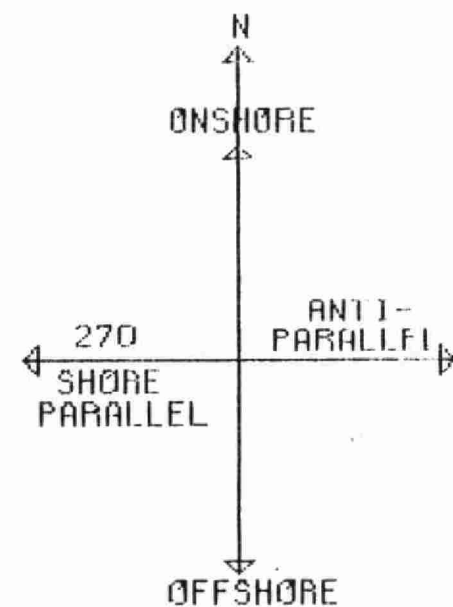
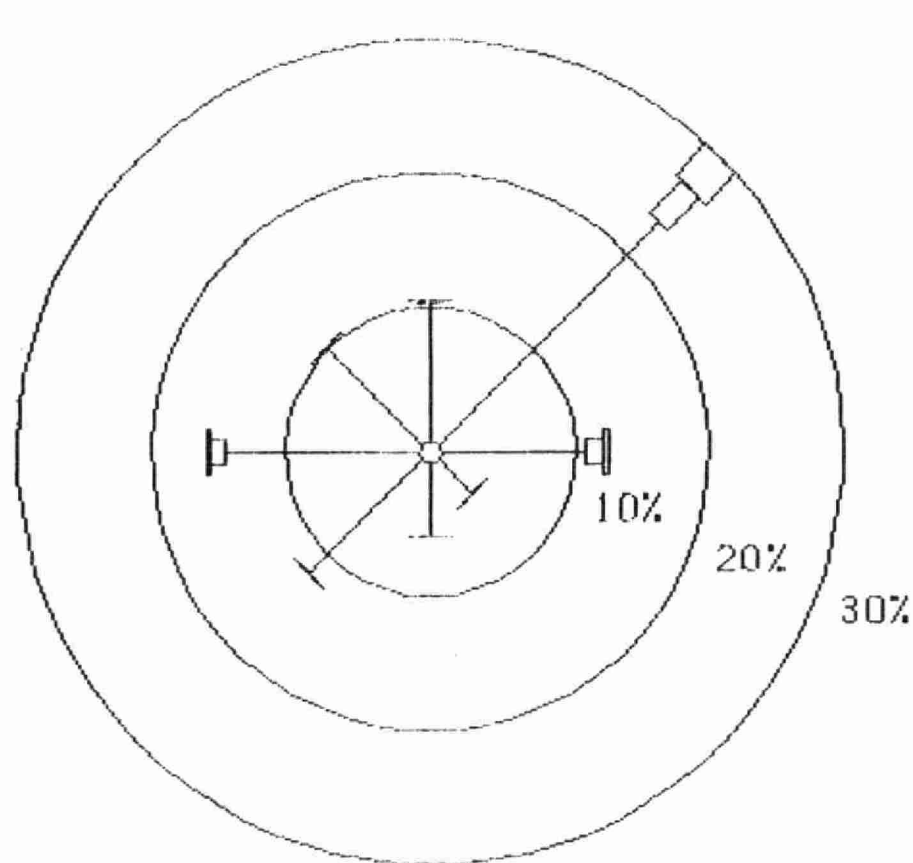


LEGEND

- 1.5 - 16.7 CM/S
- ▒ 16.7 - 24.3 CM/S
- 24.3 + CM/S

FIG. 1.24 : CURRENT ROSE HISTOGRAM : HUMBER BAY-MIDDLE L. ONT

LOCATION - 308 ( OCT 83 )

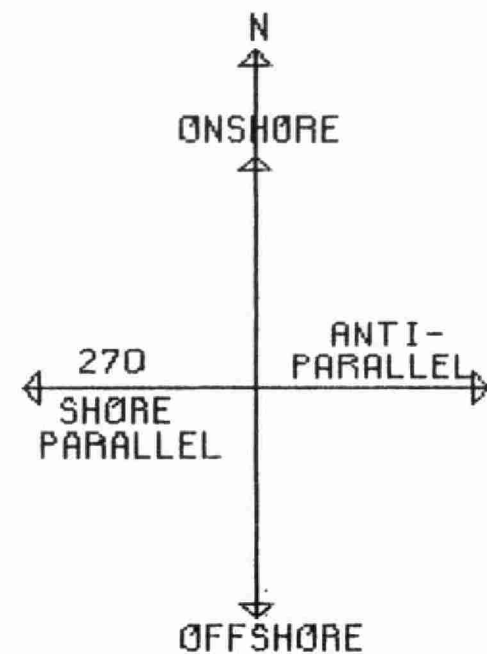
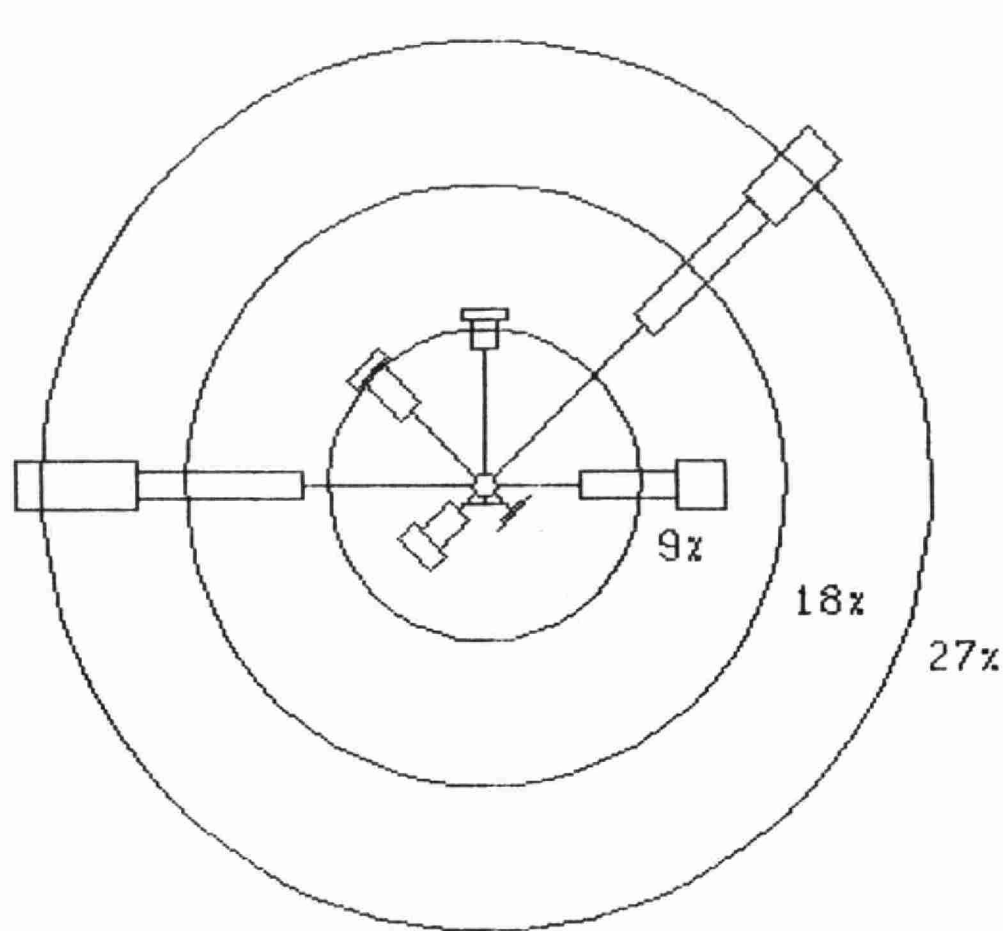


LEGEND

- 1.5 - 10.0 CM/S
- ▨ 10.0 - 15.5 CM/S
- 15.5 + CM/S

FIG. 1.25 : CURRENT ROSE HISTOGRAM : HUMBER BAY-MIDDLE L.ONT

LOCATION - 308 ( NOV 83 )

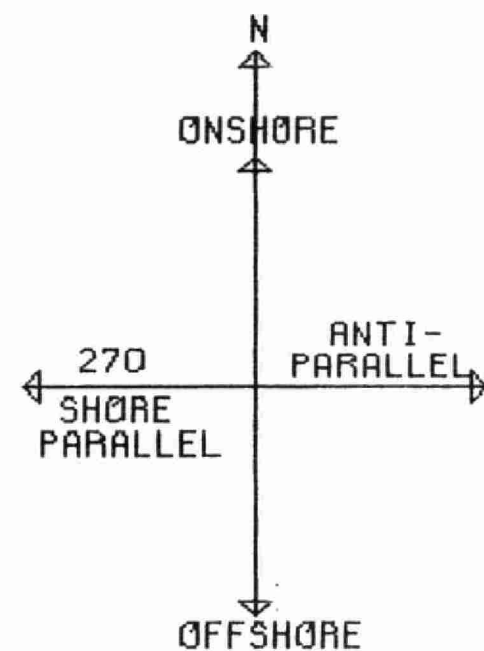
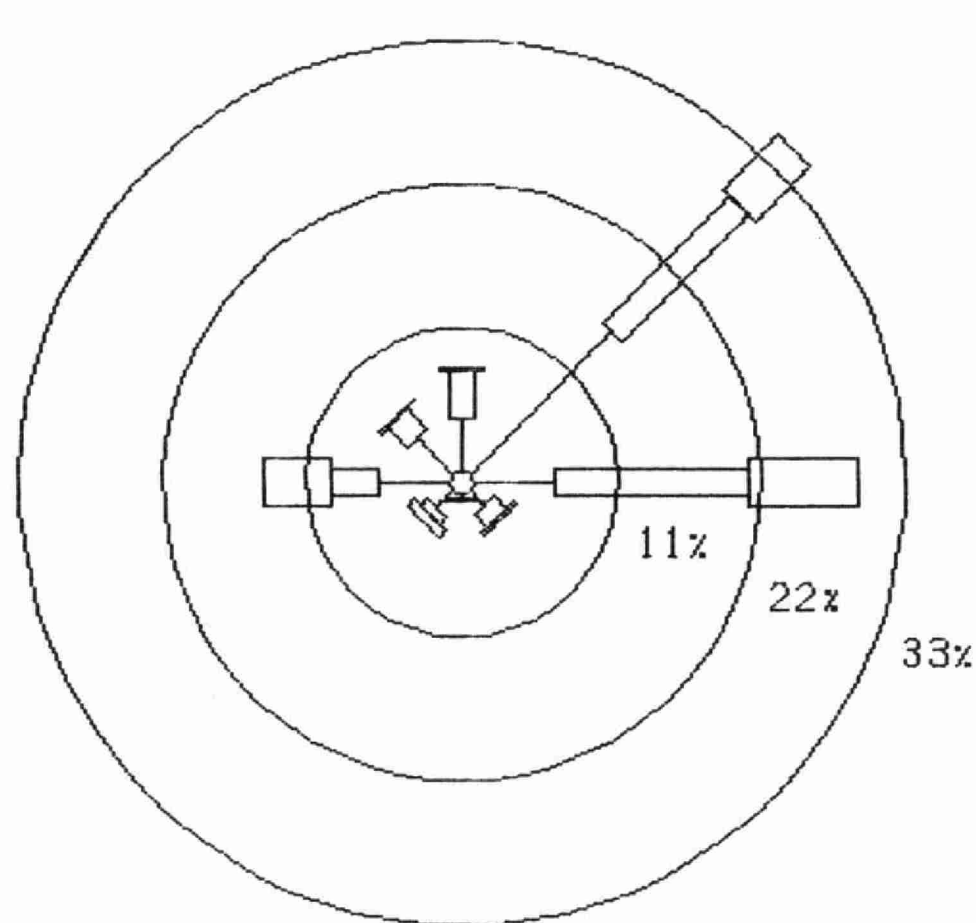


LEGEND

- 1.5 - 8.0 CM/S
- 8.0 - 14.0 CM/S
- 14.0 + CM/S

FIG. 1.26 : CURRENT ROSE HISTOGRAM: HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( DEC 83 )



LEGEND

- 1.5 - 10.0 CM/S
- ▒ 10.0 - 16.0 CM/S
- 16.0 + CM/S

FIG. 1.27 : CURRENT ROSE HISTOGRAM: HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( JAN 84 )

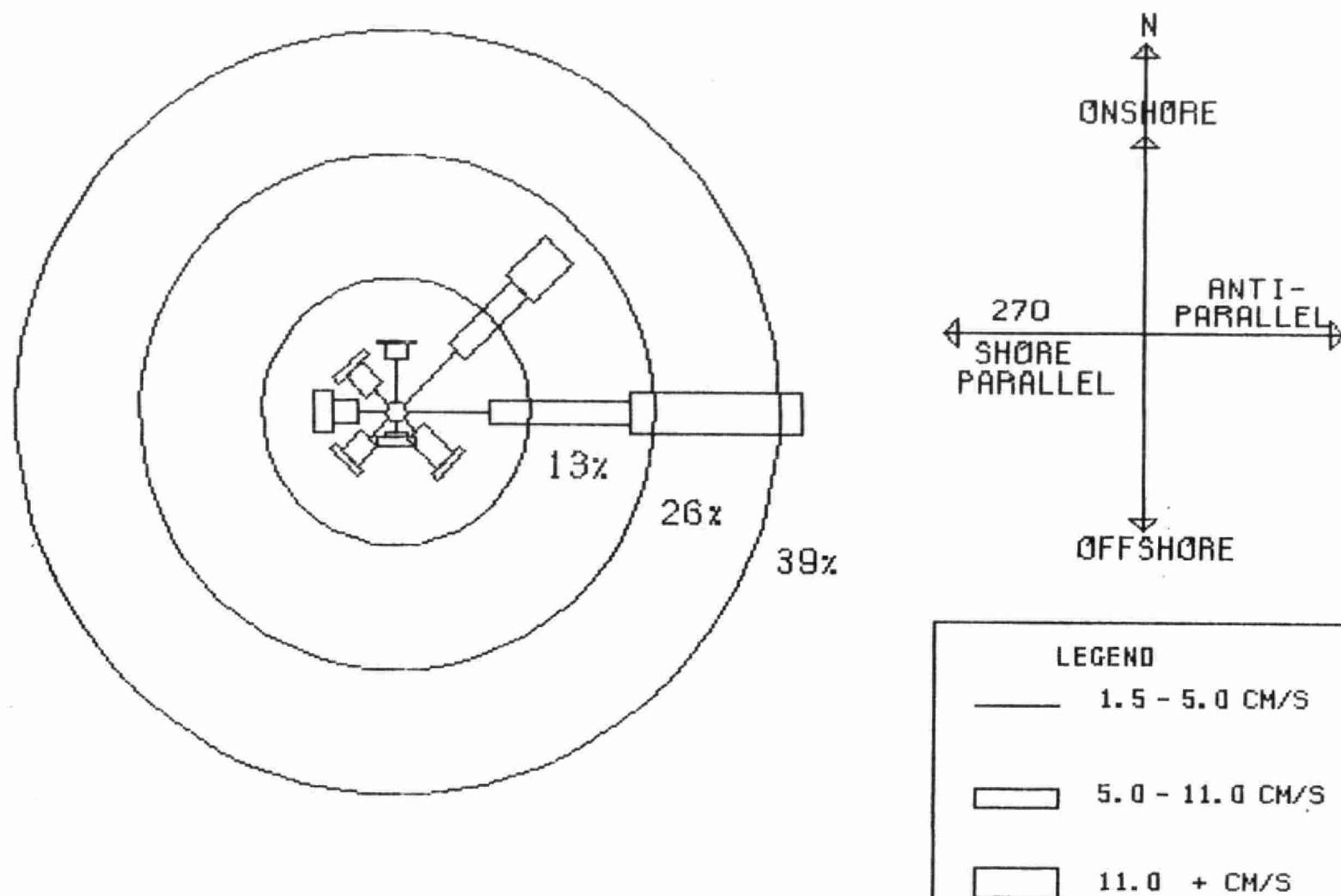
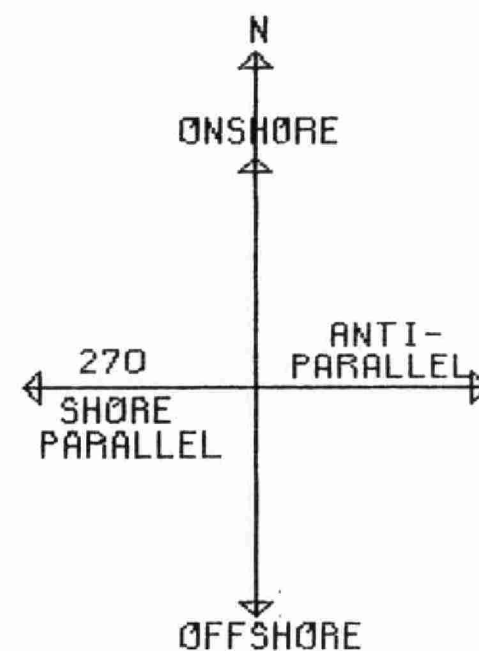
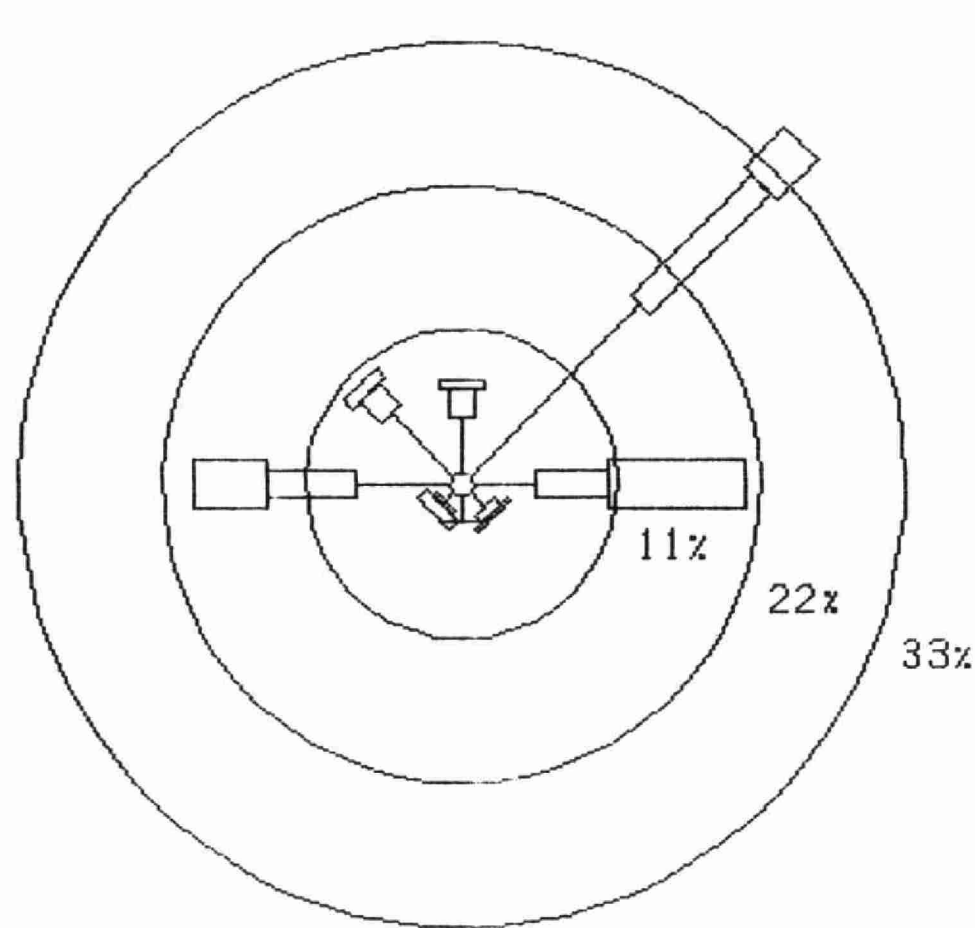


FIG. 1.28 : CURRENT ROSE HISTOGRAM: HUMBER BAY CENTER L. ONT.



LOCATION - 308 ( FEB 84 )

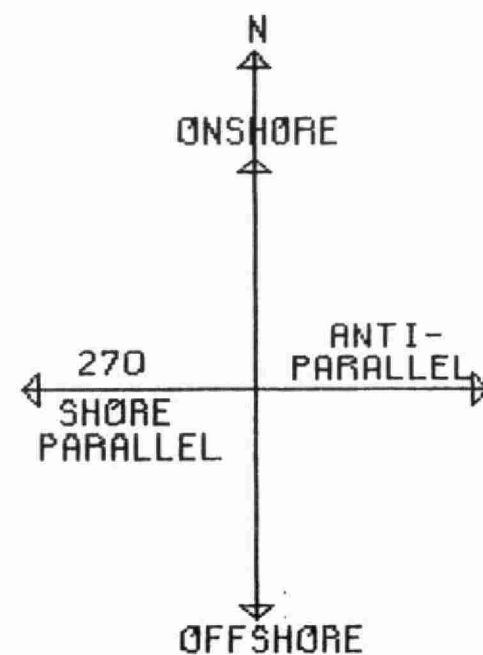
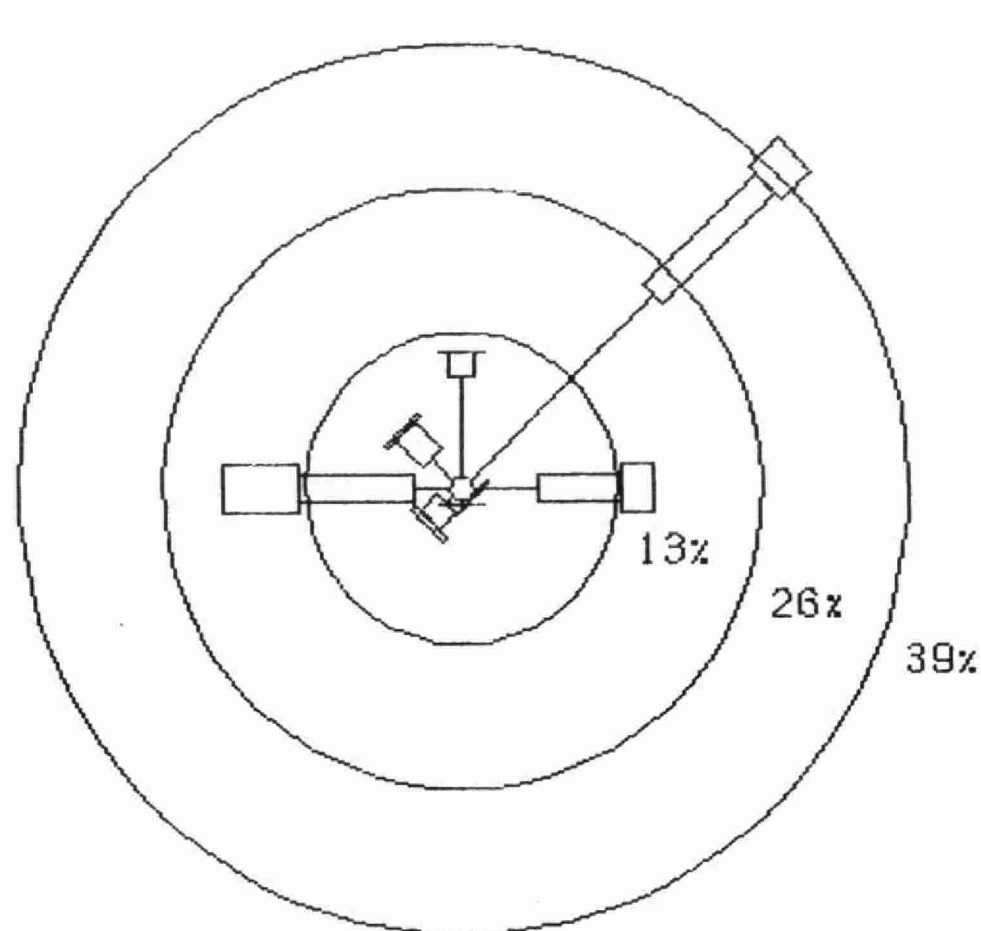


LEGEND

- 1.5 - 6.0 CM/S
- 6.0 - 10.0 CM/S
- 10.0 + CM/S

FIG. 1.29 : CURRENT ROSE HISTOGRAM: HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( MAR 84 )



LEGEND

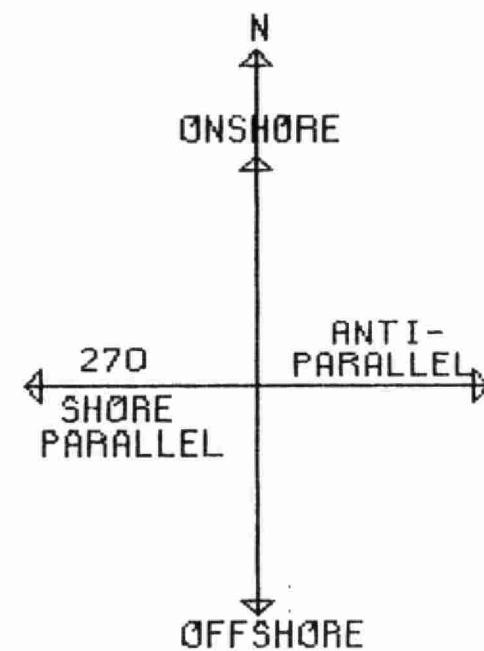
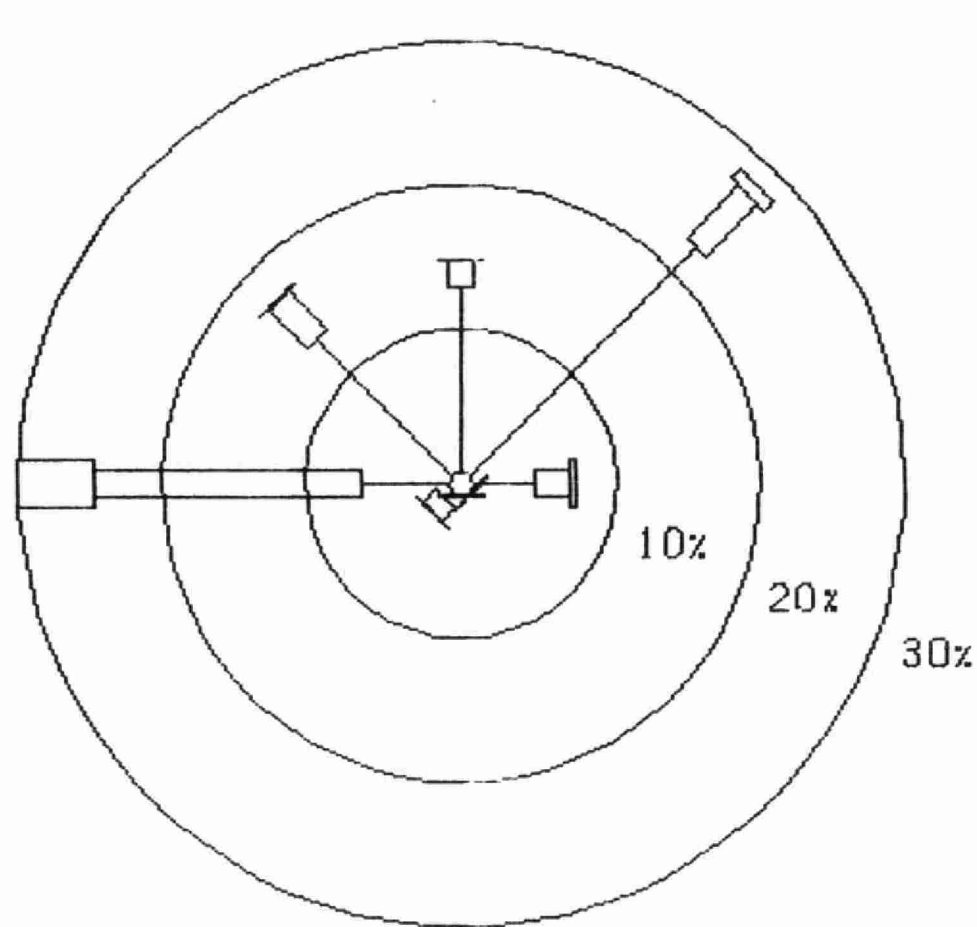
— 1.5 - 7.0 CM/S

□ 7.0 - 13.0 CM/S

□ 13.0 + CM/S

FIG. 1.30 : CURRENT ROSE HISTOGRAM: HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( APR 84)

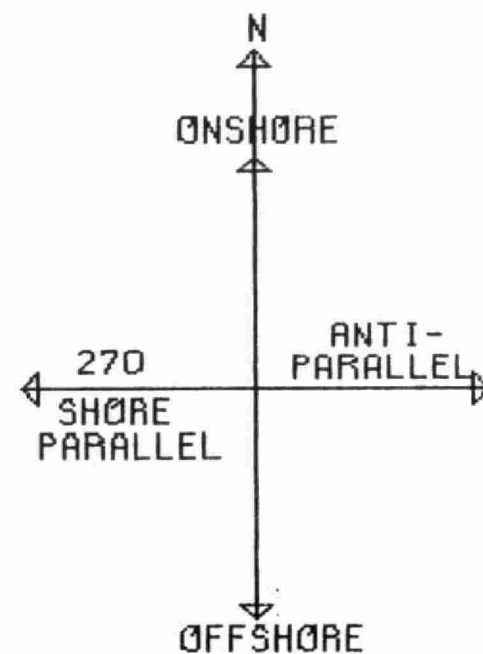
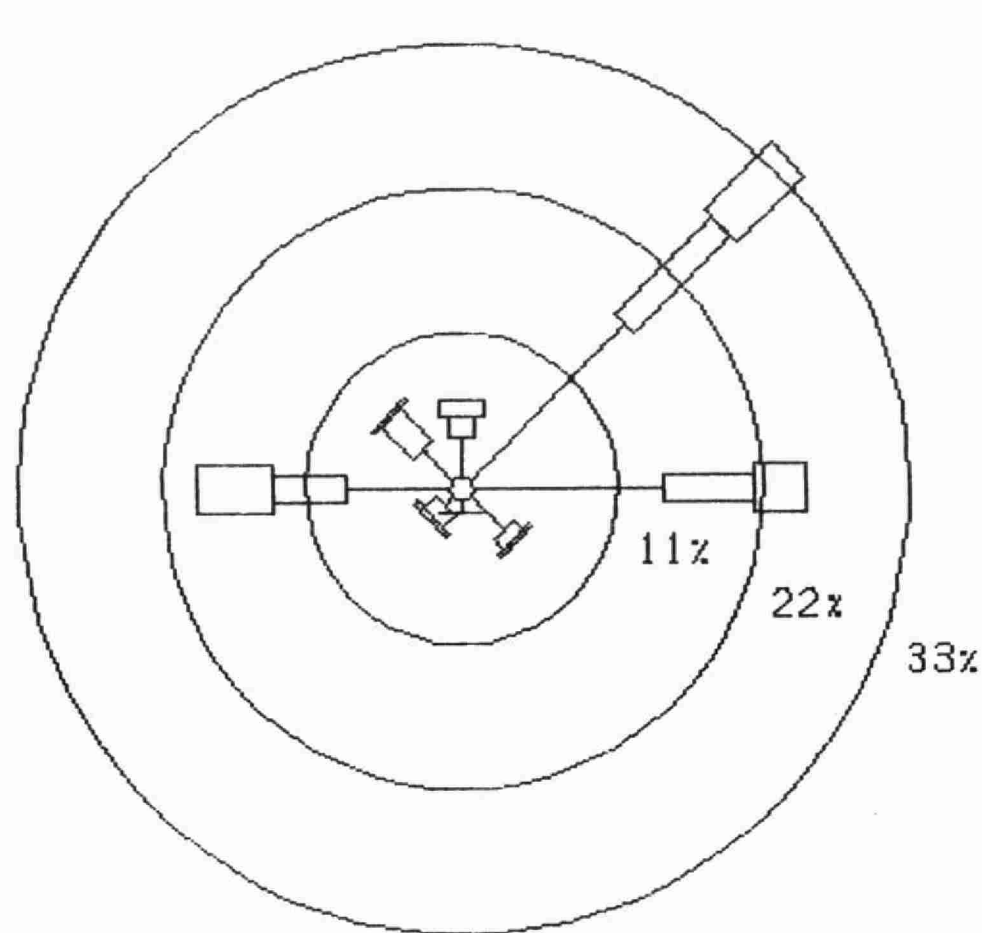


LEGEND

- 1.5 - 5.0 CM/S
- 5.0 - 11.0 CM/S
- 11.0 + CM/S

FIG. 1.31 : CURRENT ROSE HISTOGRAM: HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( MAY 84 )



### LEGEND

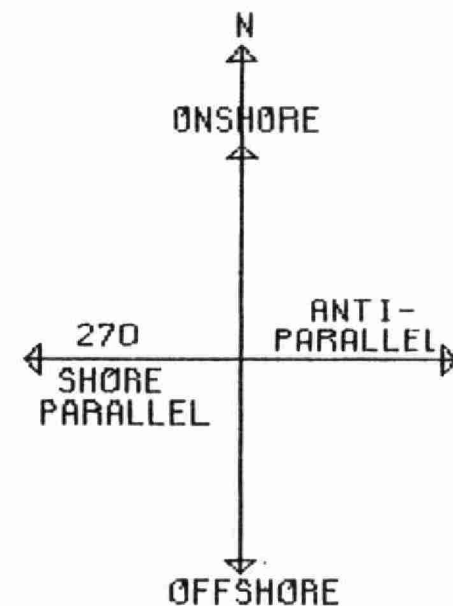
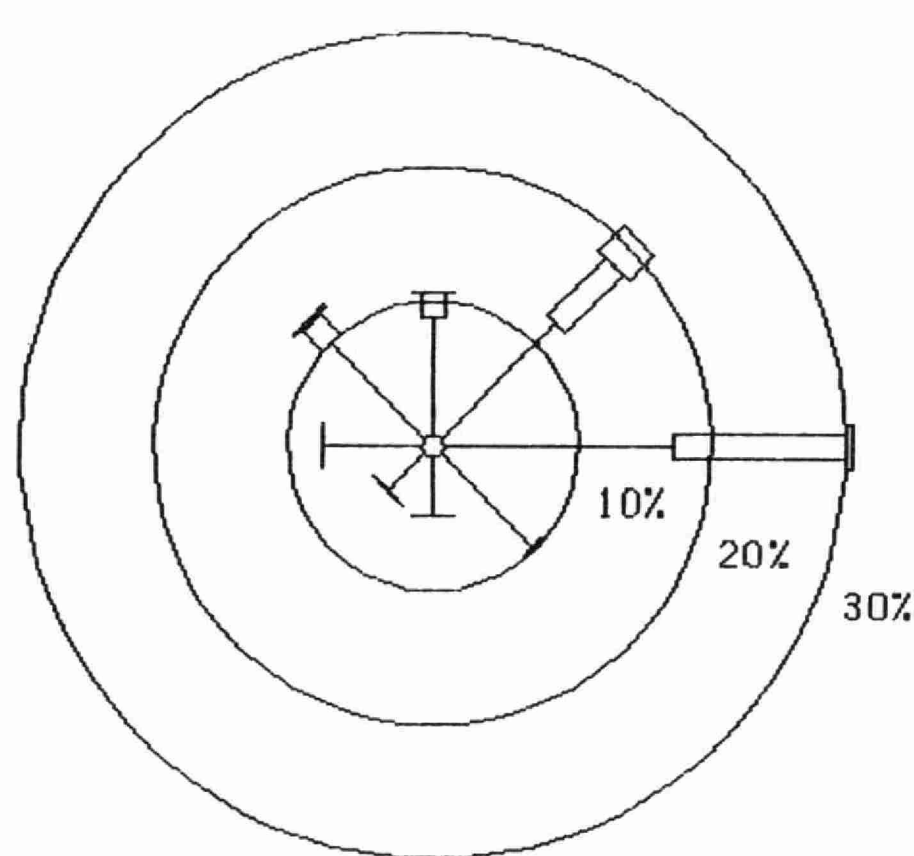
\_\_\_\_\_ 1.5 - 3.0 CM/S

☐ 3.0 - 7.0 CM/S

7.0 + CM/S

FIG. 1.32 : CURRENT ROSE HISTOGRAM: HUMBER BAY CENTER L. ONT.

LOCATION - 309 ( JUL 83 )



LEGEND

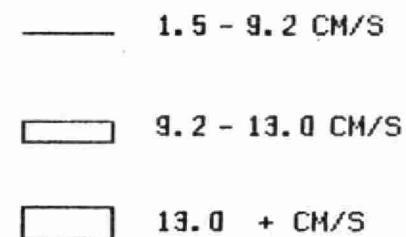
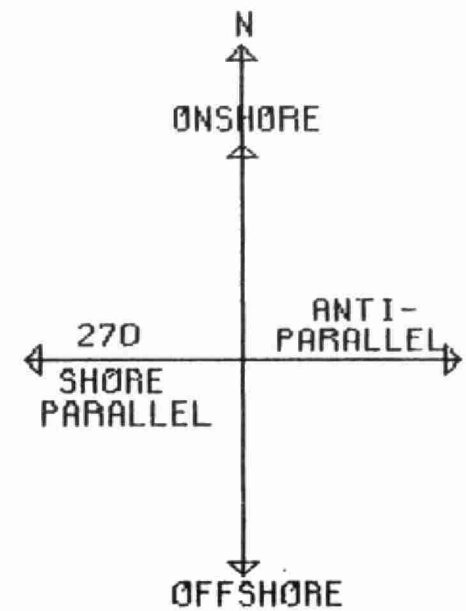
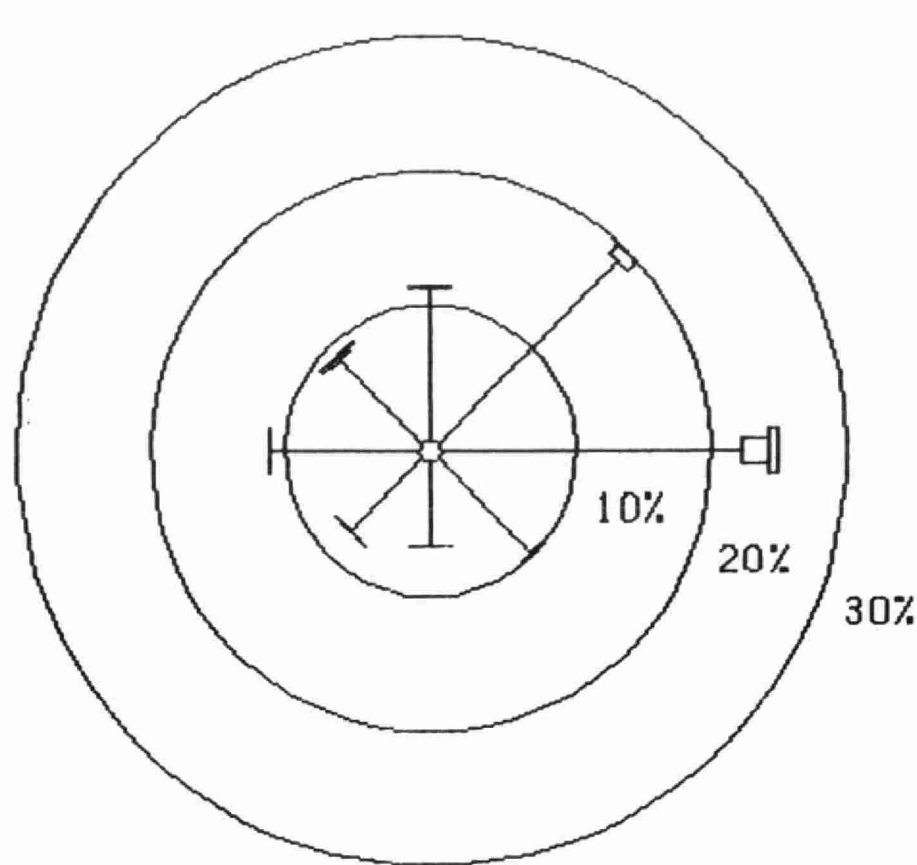


FIG. 1.33 : CURRENT ROSE HISTOGRAM : HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( AUG 83 )

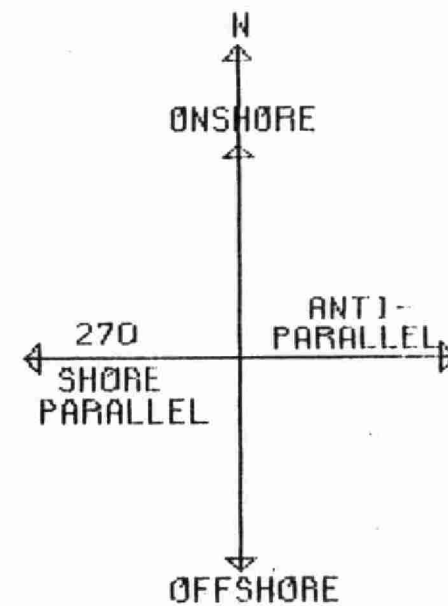
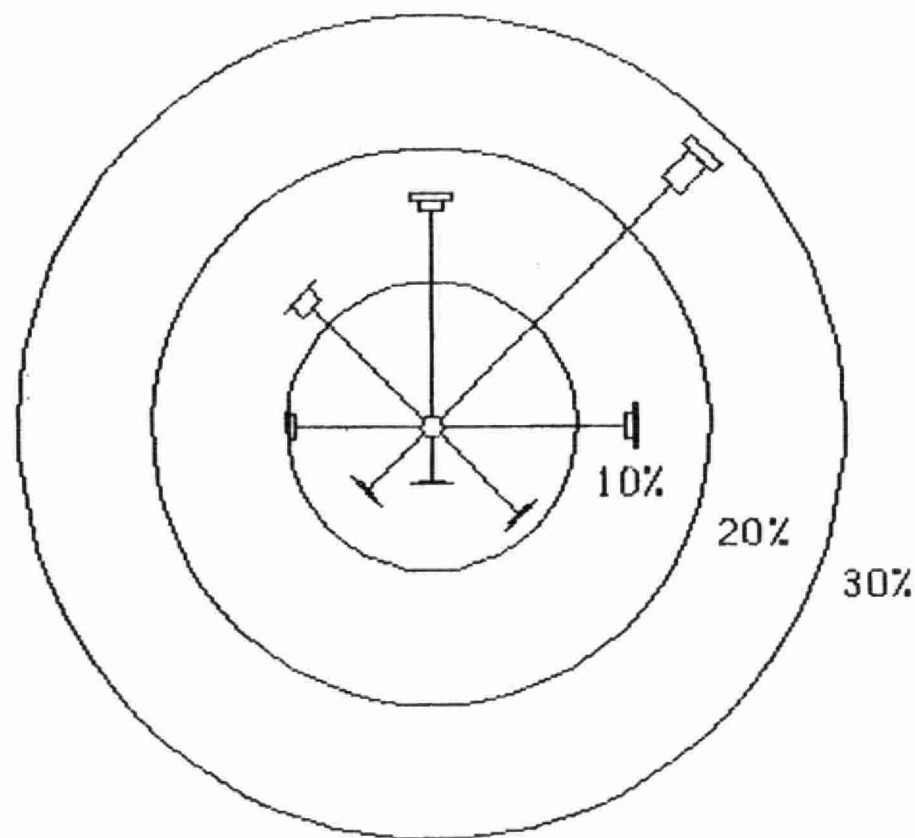


LEGEND

- 1.5 - 18.2 CM/S
- 18.2 - 26.6 CM/S
- 26.6 + CM/S

FIG. 1.34 : CURRENT ROSE HISTOGRAM : HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( SEP 83 )

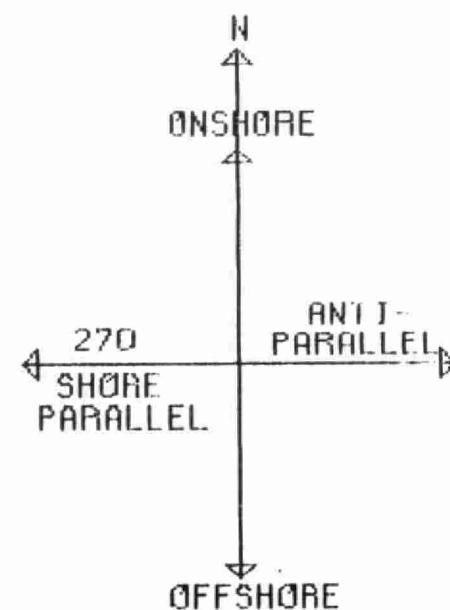
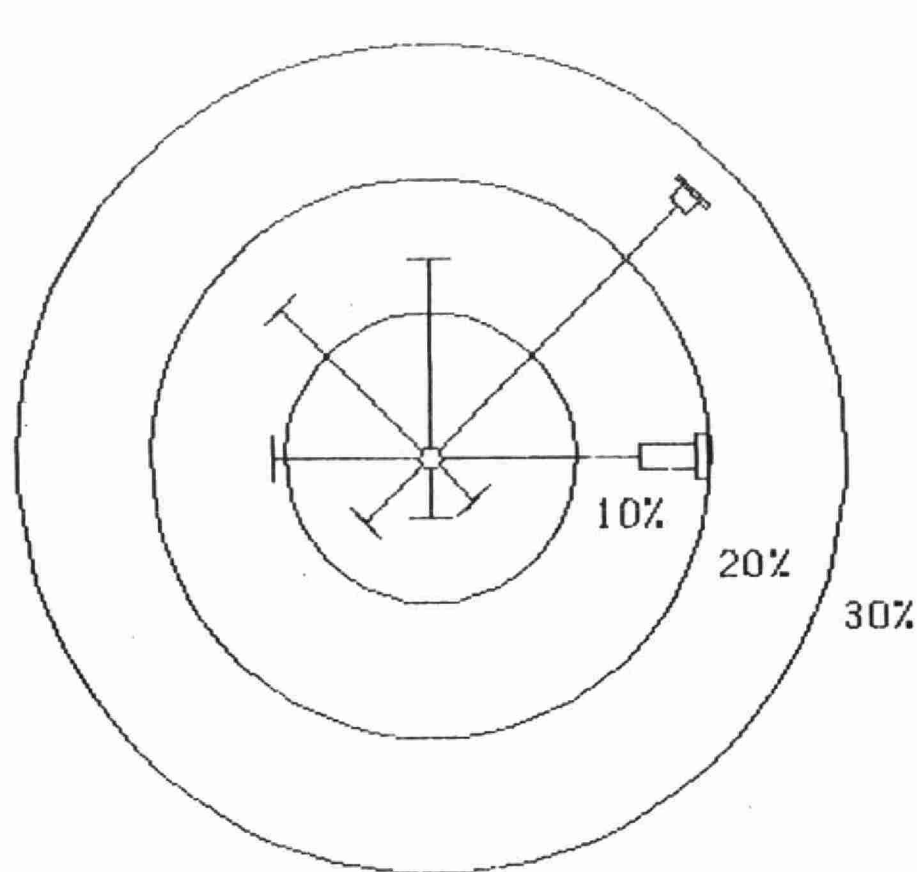


LEGEND

- 1.5 - 7.6 CM/S
- ▤ 7.6 - 10.6 CM/S
- ▥ 10.6 + CM/S

FIG. 1.35 : CURRENT ROSE HISTOGRAM : HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( OCT 83 )



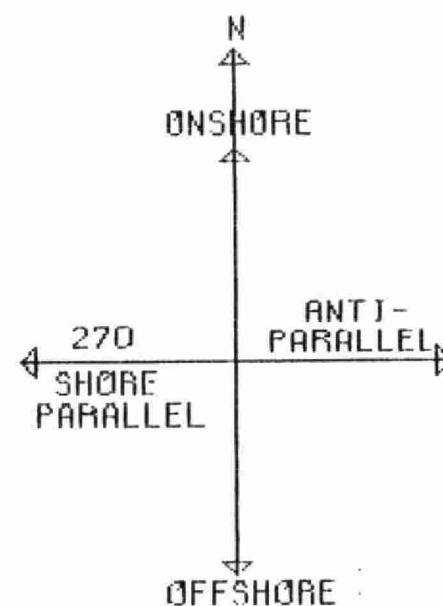
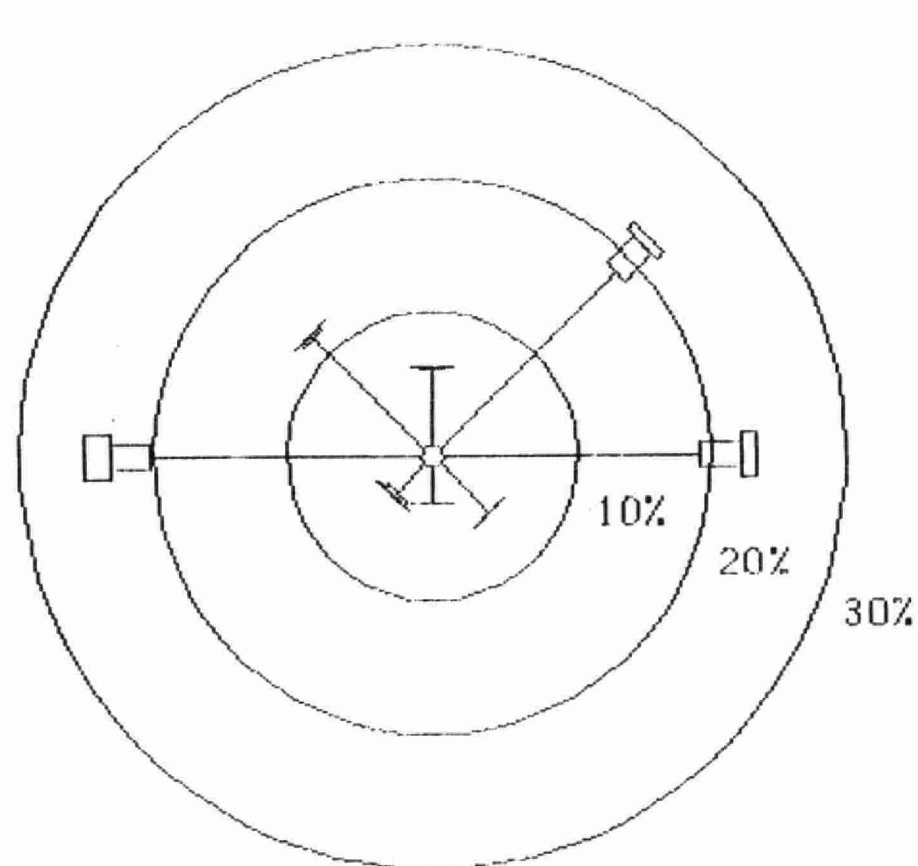
LEGEND

- 1.5 - 12.6 CM/S
- ▭ 12.6 - 18.2 CM/S
- ▭ 18.2 + CM/S

FIG. 1.36 : CURRENT ROSE HISTOGRAM : HUMBER BAY-OFFSHORE L. ONT



LOCATION - 309 ( NOV 83)

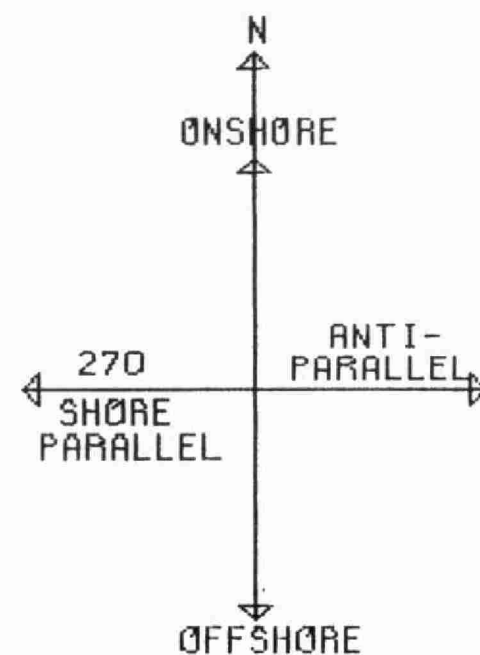
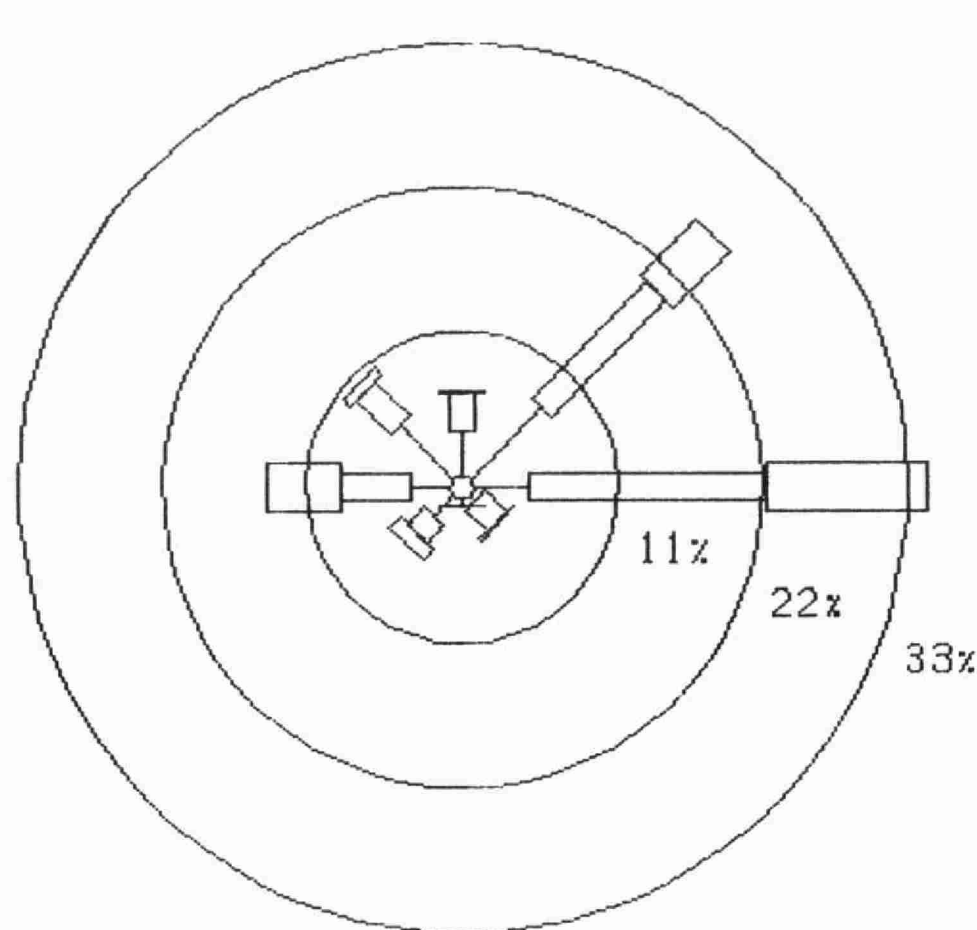


LEGEND

- 1.5 - 10.2 CM/S
- ▬ 10.2 - 14.6 CM/S
- ▬ 14.6 + CM/S

FIG. 1.37 : CURRENT ROSE HISTOGRAM : HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( DEC 83 )

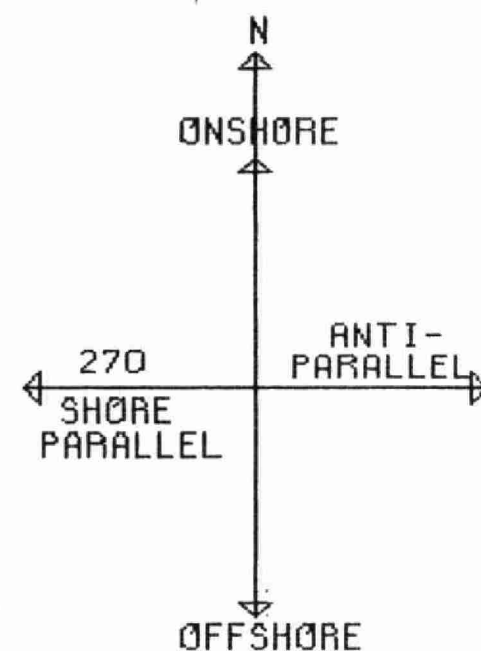
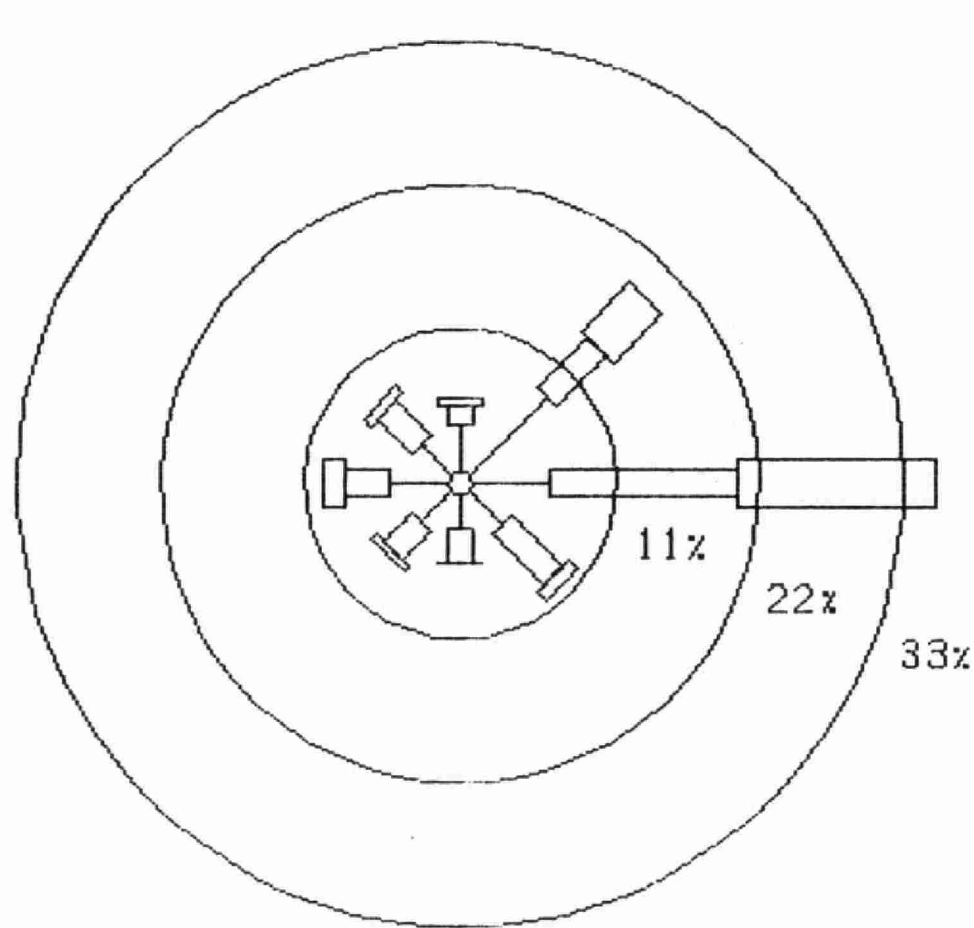


LEGEND

- 1.5 - 5.0 CM/S
- 5.0 - 11.0 CM/S
- 11.0 + CM/S

FIG. 1.38 : CURRENT ROSE HISTOGRAM: HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( JAN 84 )



LEGEND

- 1.5 - 3.0 CM/S
- ▬ 3.0 - 7.0 CM/S
- ▬ 7.0 + CM/S

FIG. 1.39 : CURRENT ROSE HISTOGRAM: HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( FEB 84)

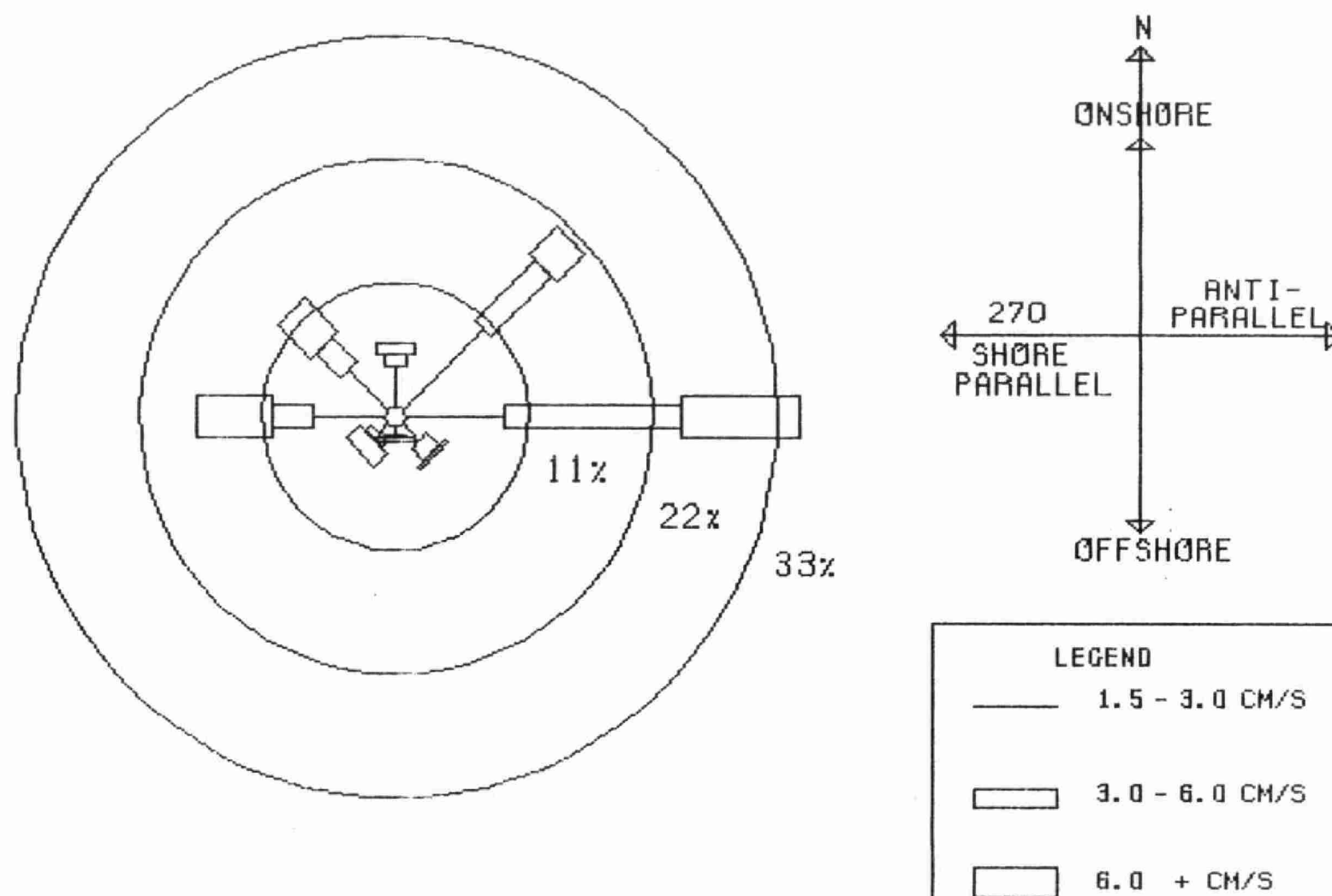
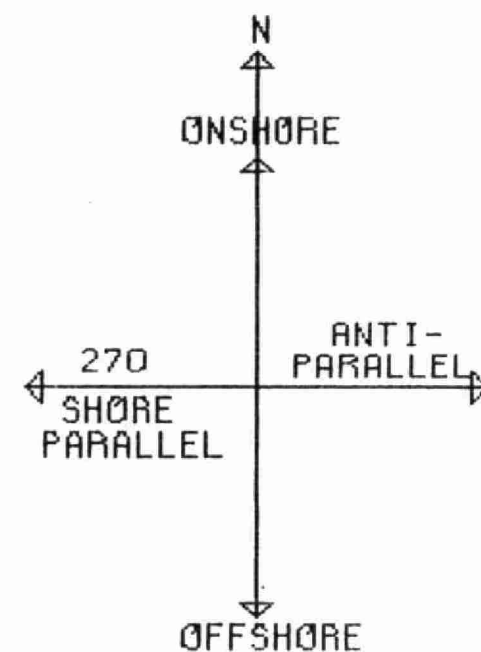
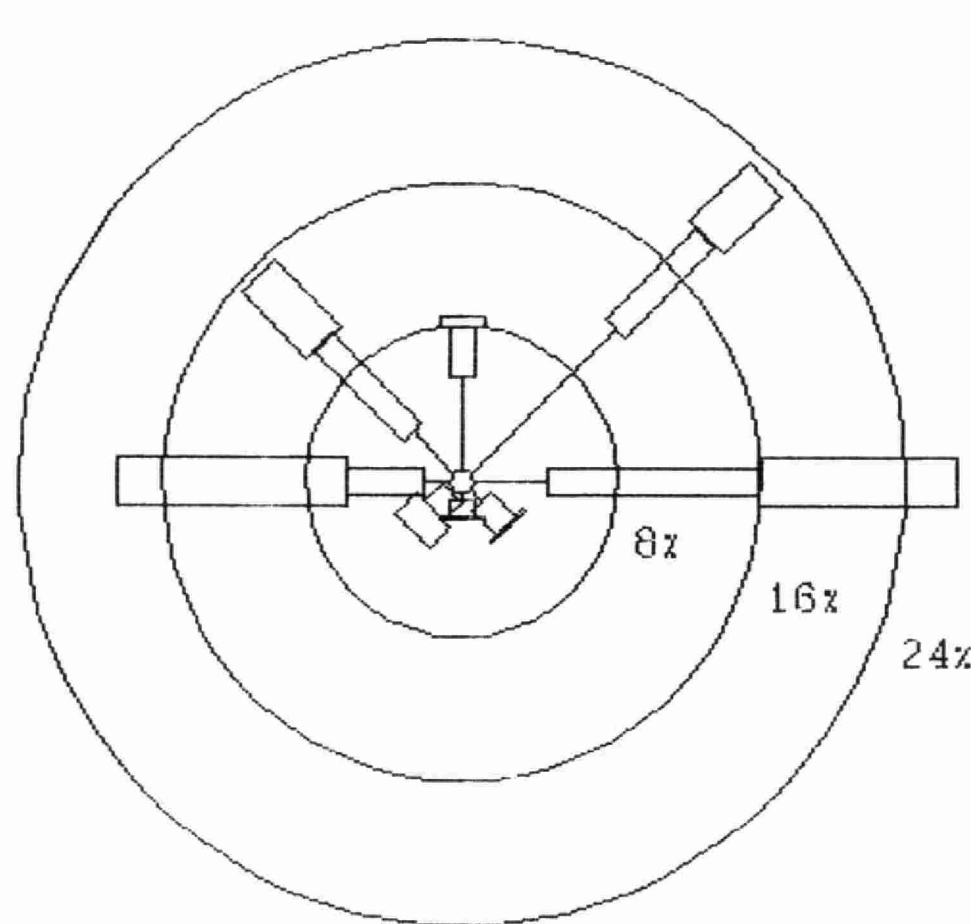


FIG. 1.40 : CURRENT ROSE HISTOGRAM: HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( MAR 84 )

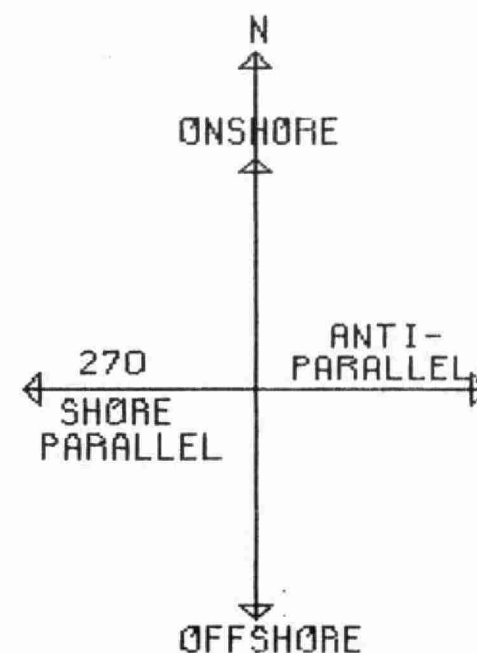
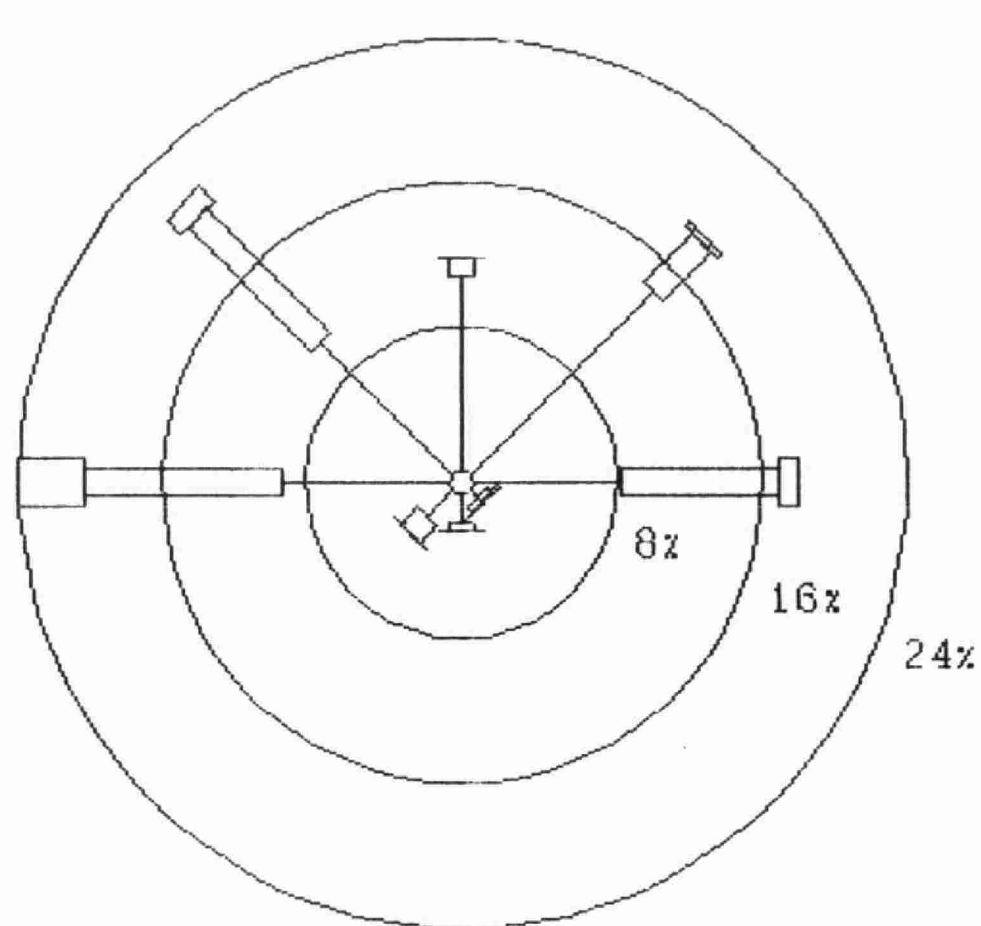


LEGEND

- 1.5 - 3.0 CM/S
- 3.0 - 7.0 CM/S
- 7.0 + CM/S

FIG. 1.41 : CURRENT ROSE HISTOGRAM: HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( APR 84)



LEGEND

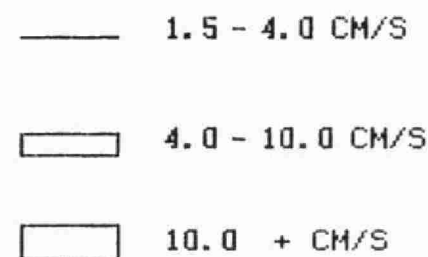
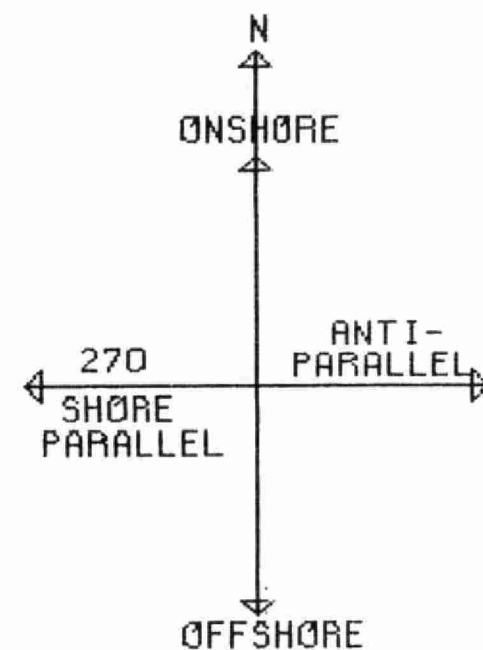
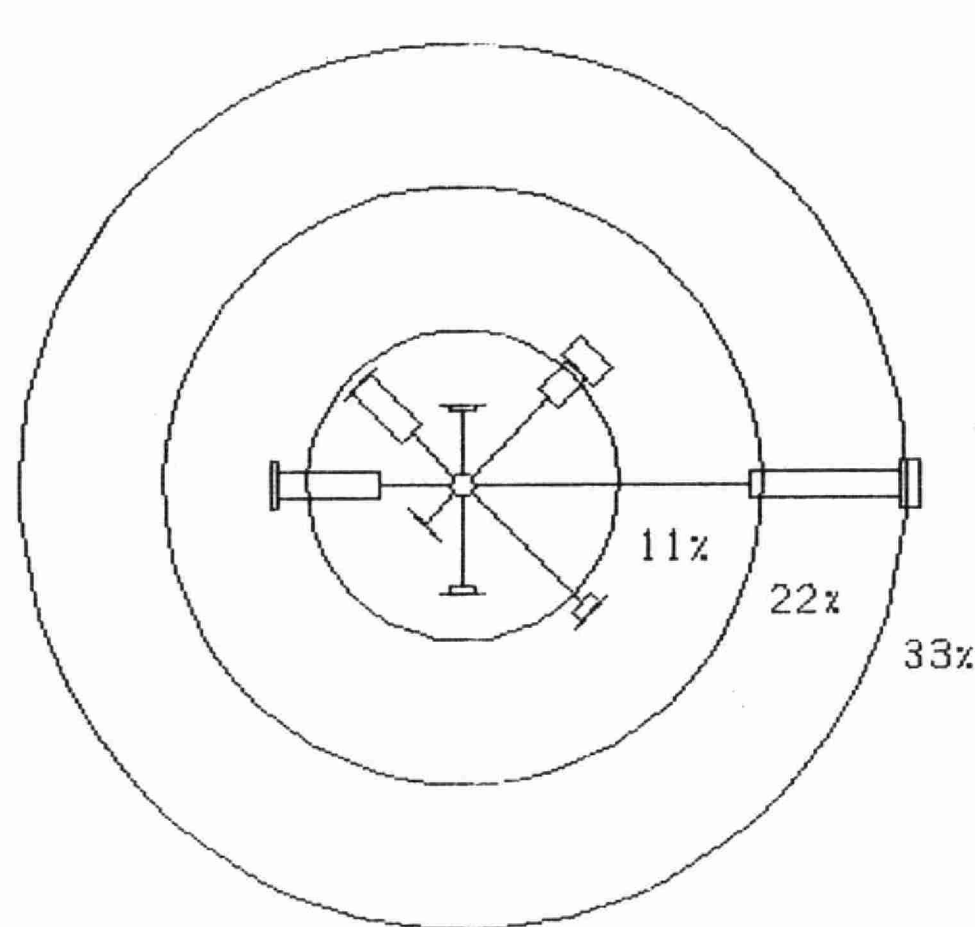


FIG. 1.42 : CURRENT ROSE HISTOGRAM: HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( MAY 84)

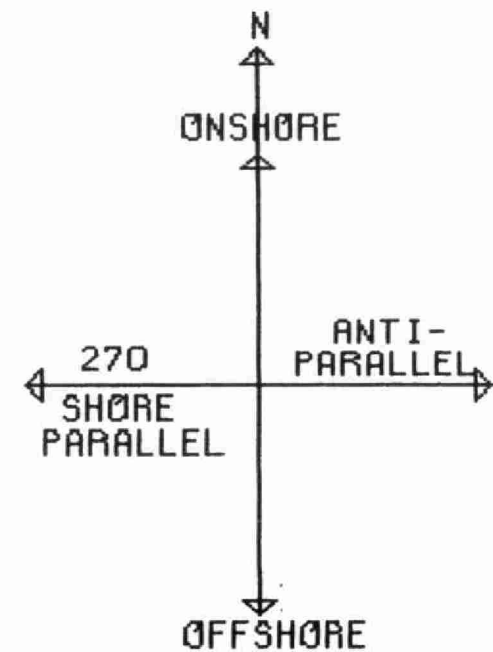
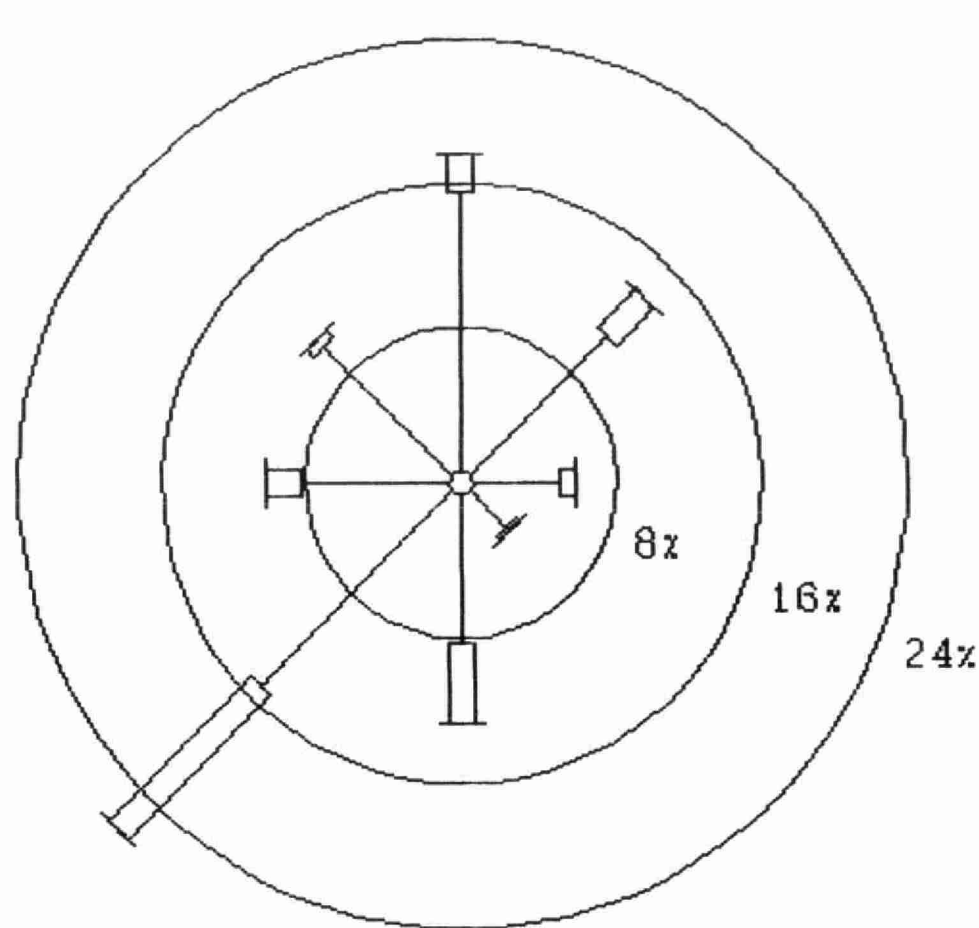


LEGEND

- 1.5 - 3.0 CM/S
- 3.0 - 11.0 CM/S
- 11.0 + CM/S

FIG.1.43 : CURRENT ROSE HISTOGRAM: HUMBER BAY OFFSHORE L. ONT.

LOCATION - 310 ( JUN 83)



LEGEND	
—	1.5 - 5.0 CM/S
▒	5.0 - 4.1 CM/S
□	4.1 + CM/S

FIG.1.44 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.



LOCATION - 0310 ( JUL 83 )

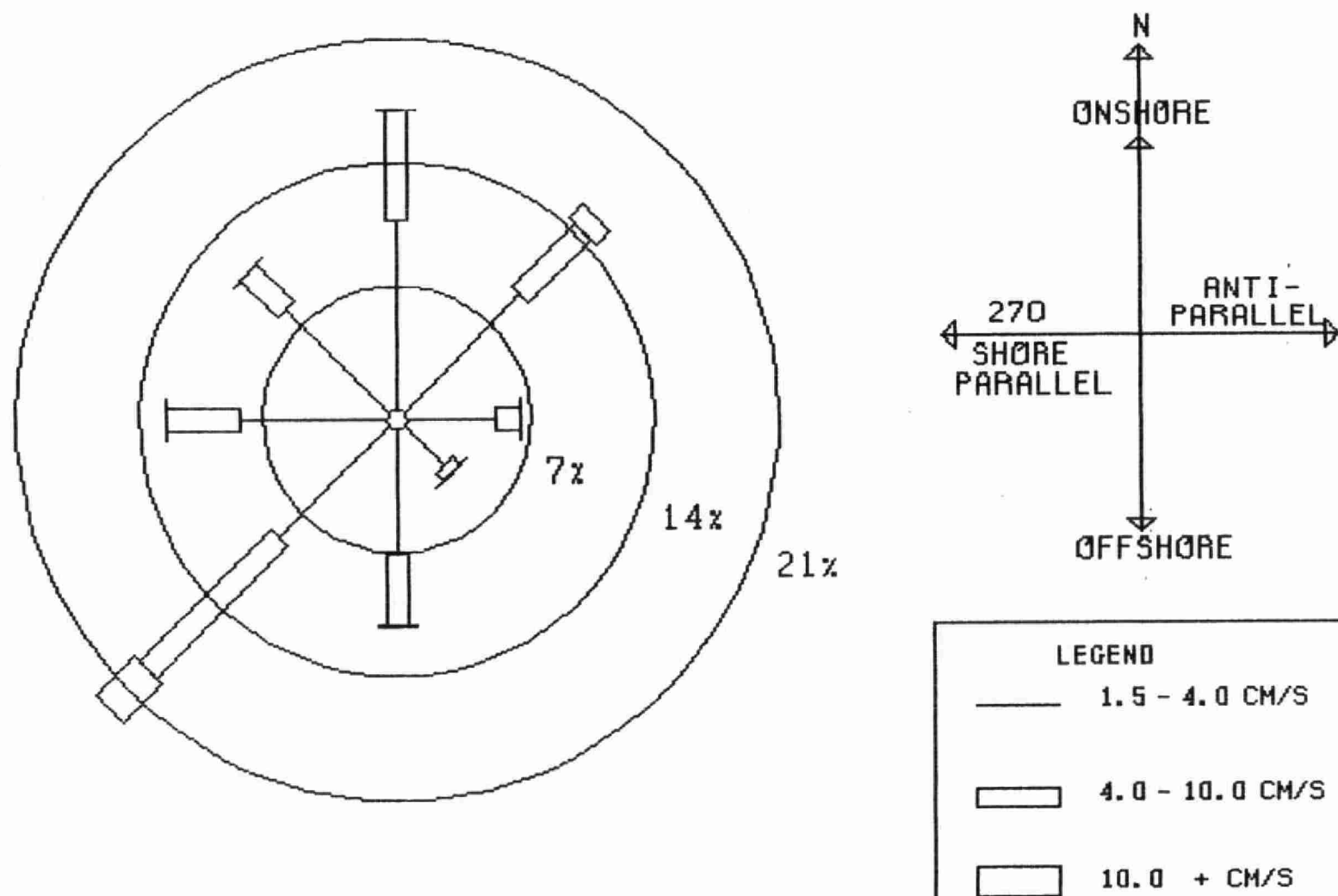
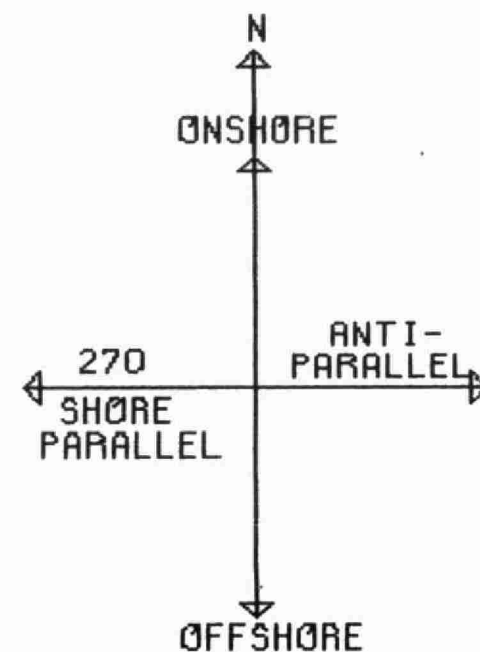
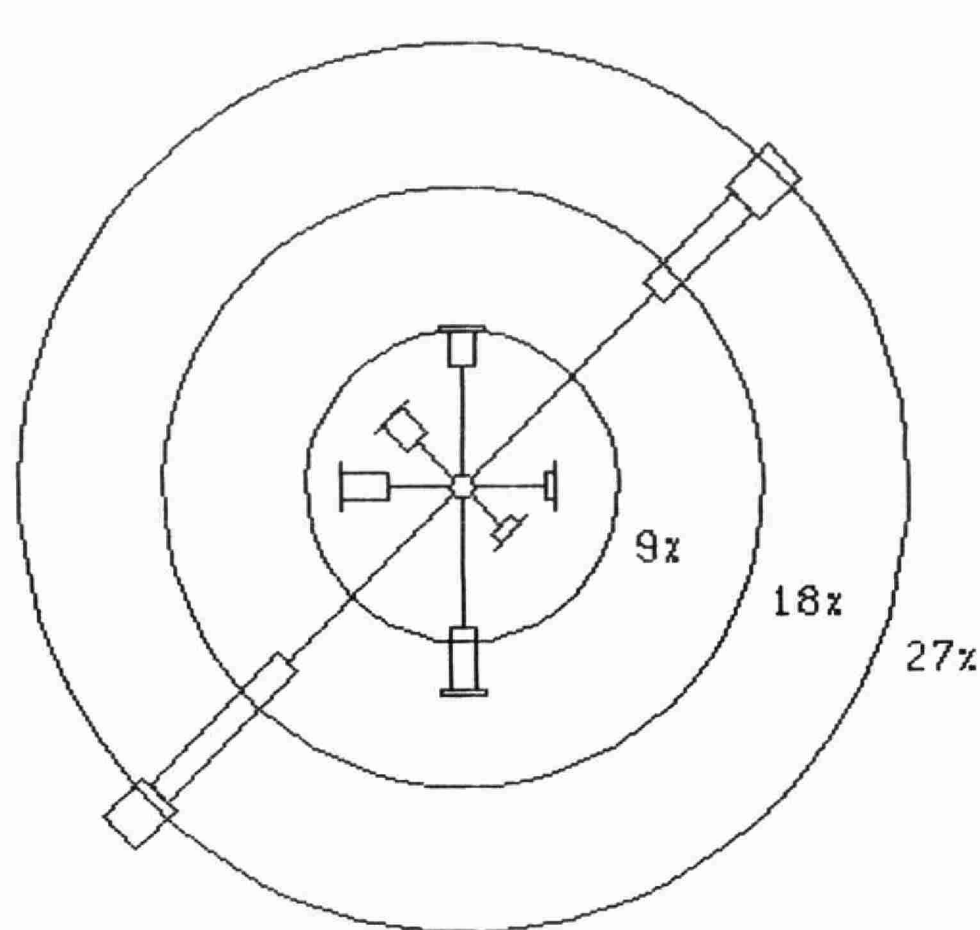


FIG. 1.45 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.

LOCATION - 0310 ( AUG 83 )

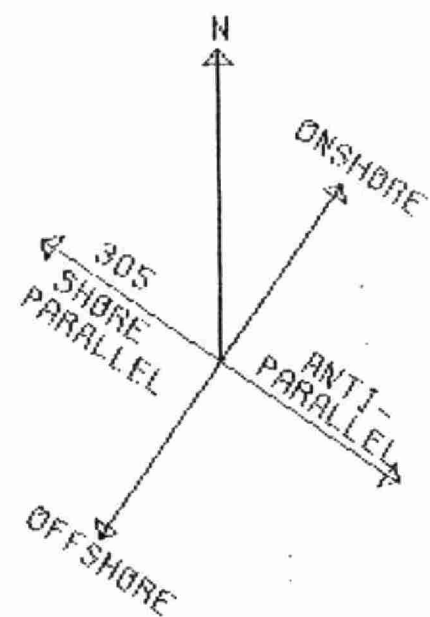
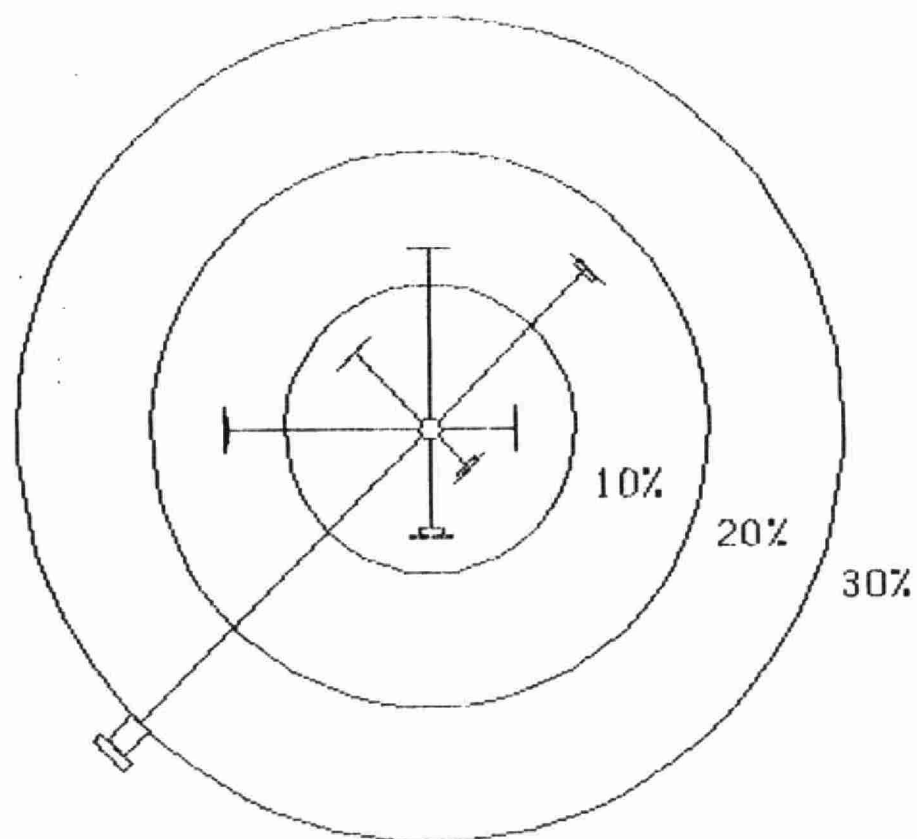


LEGEND

- 1.5 - 5.0 CM/S
- ▬ 5.0 - 13.0 CM/S
- ▬ 13.0 + CM/S

FIG. 1.46 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.

LOCATION - 310 ( SEP 83 )



LEGEND

- 1.5 - 12.3 CM/S
- 12.3 - 17.7 CM/S
- 17.7 + CM/S

FIG. 1.47 : CURRENT ROSE HISTOGRAM : HUMBER BAY

L. ONT

LOCATION - 310 ( OCT 83 )

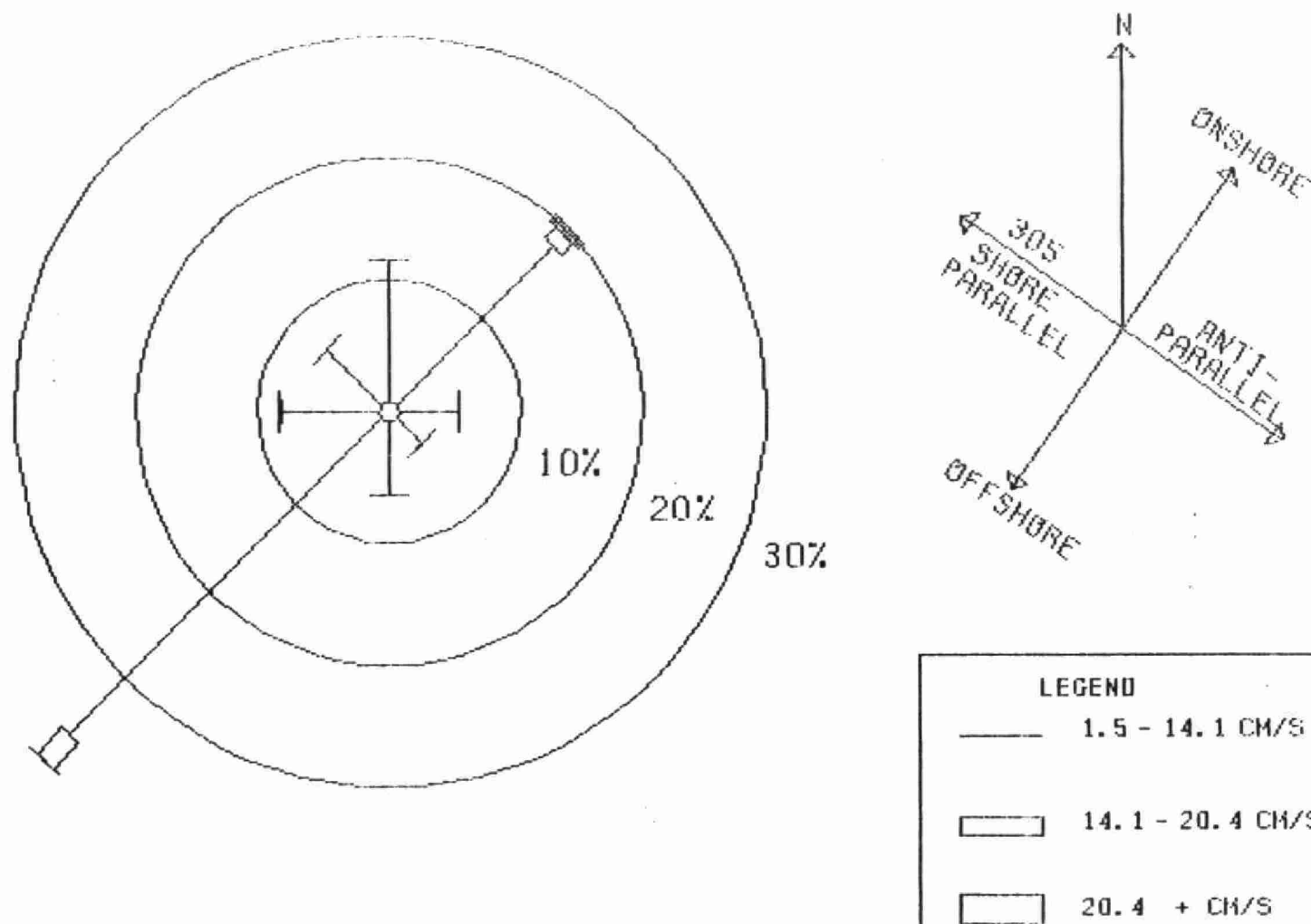


FIG. 1.48 : CURRENT ROSE HISTOGRAM : HUMBER BAY L. ONT

LOCATION - 310 ( NOV 83 )

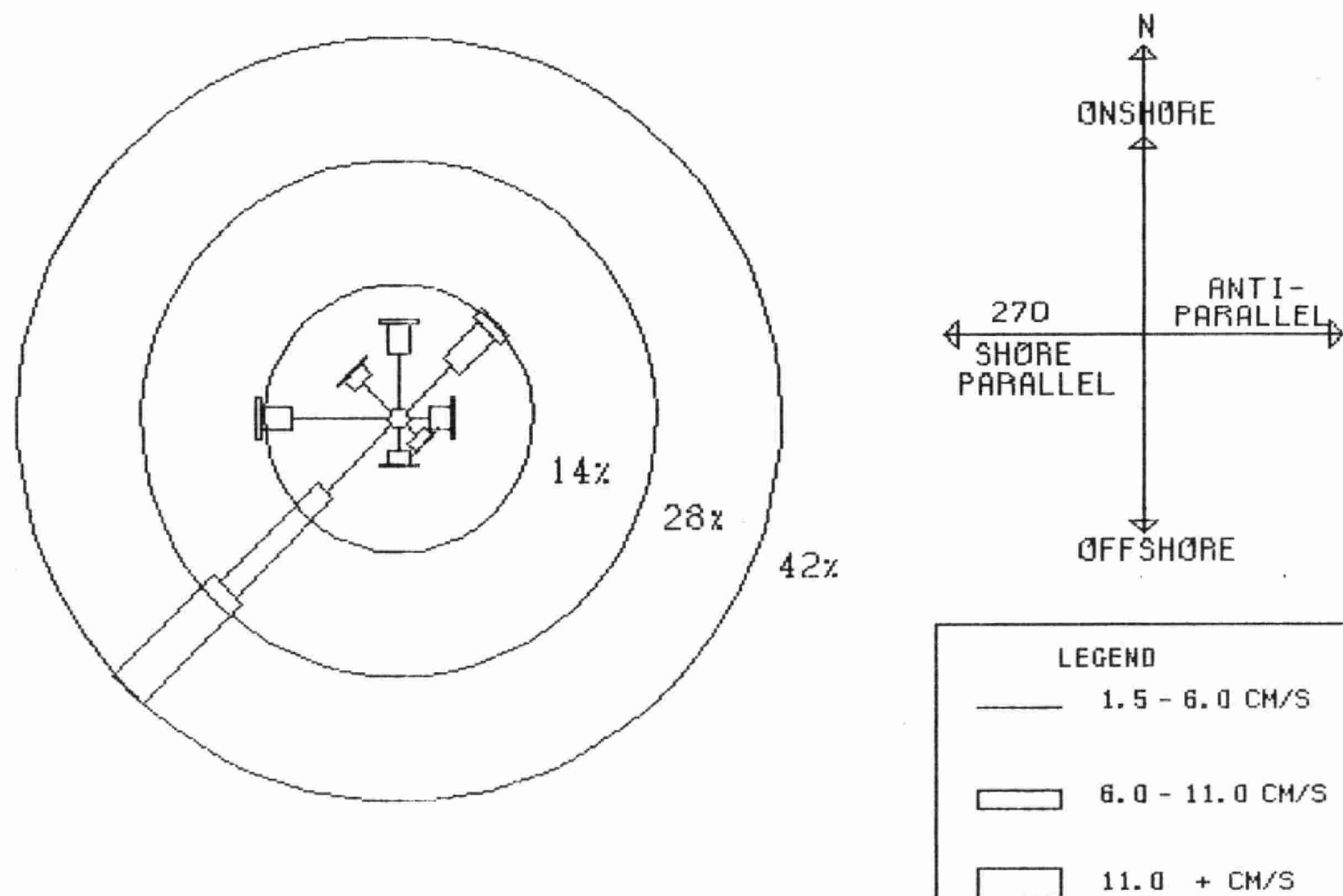
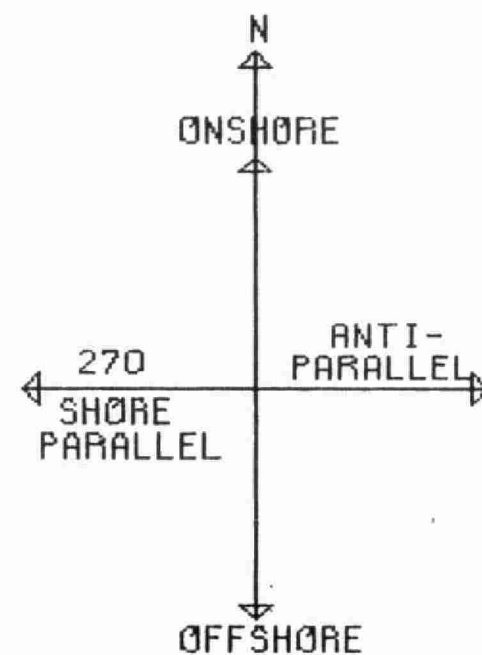
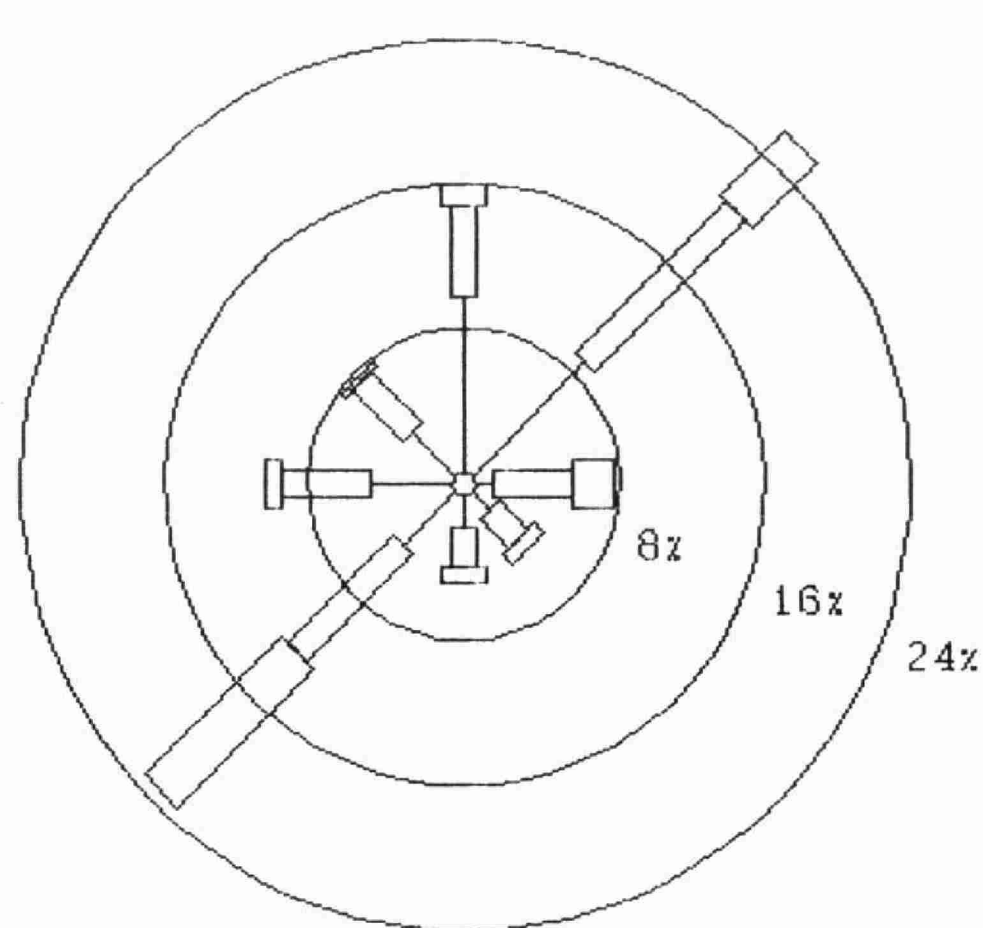


FIG. 1.49 : CURRENT ROSE HISTOGRAM: HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( DEC 83)



LEGEND

- 1.5 - 6.0 CM/S
- 6.0 - 10.0 CM/S
- 10.0 + CM/S

FIG. 1.50 : CURRENT ROSE HISTOGRAM: HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( JAN 84 )

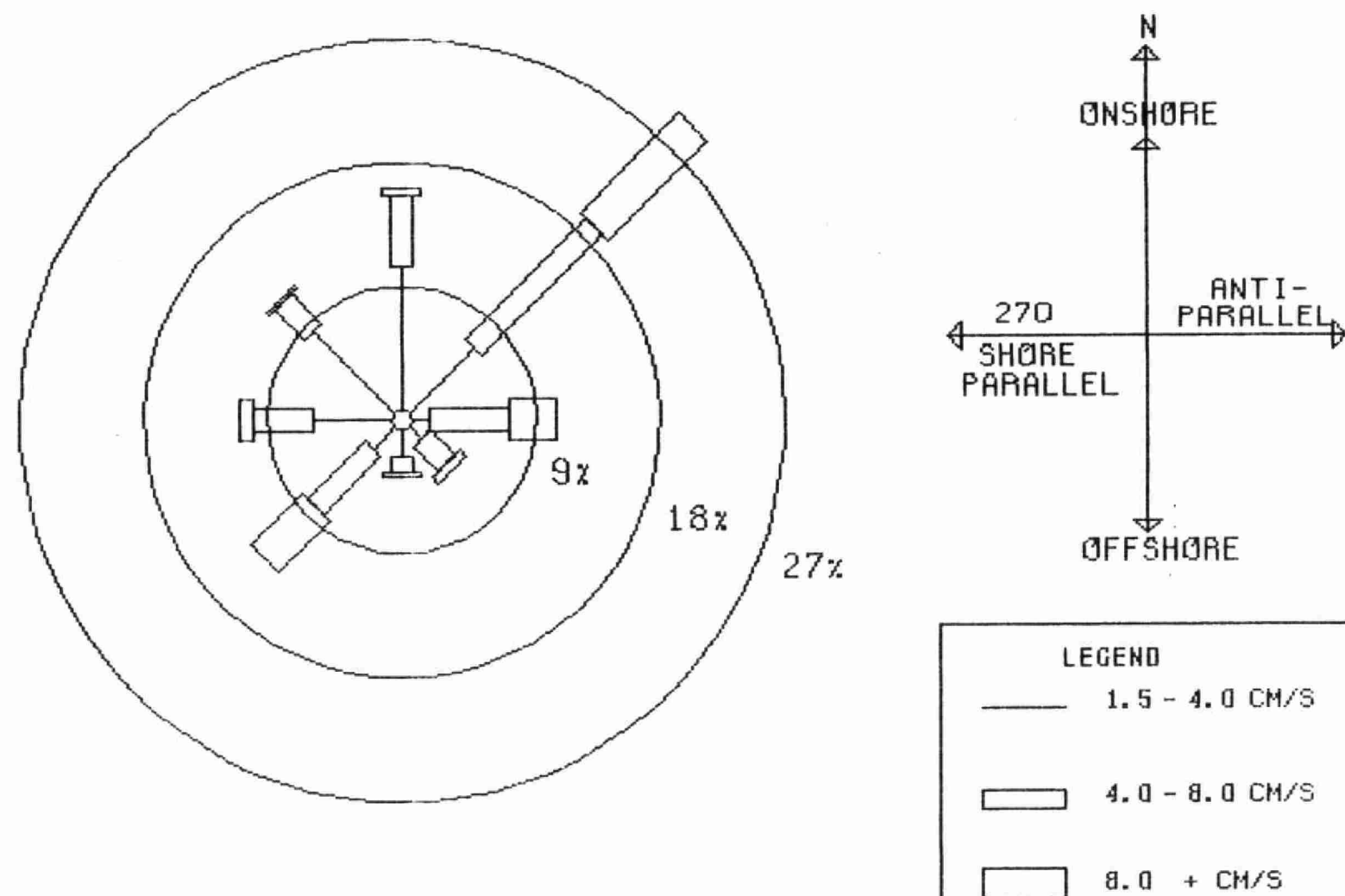
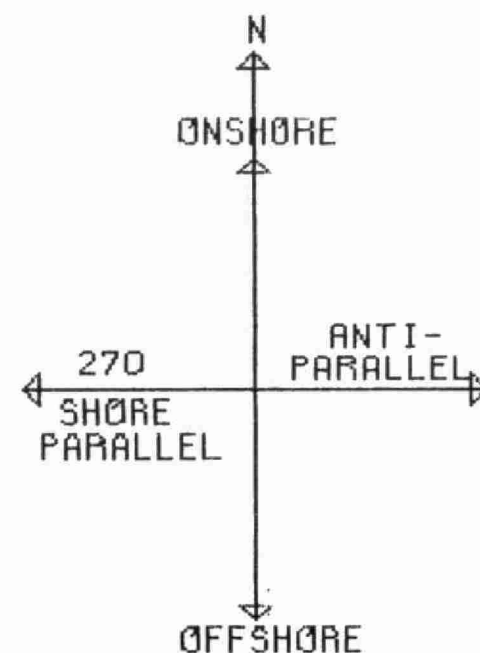
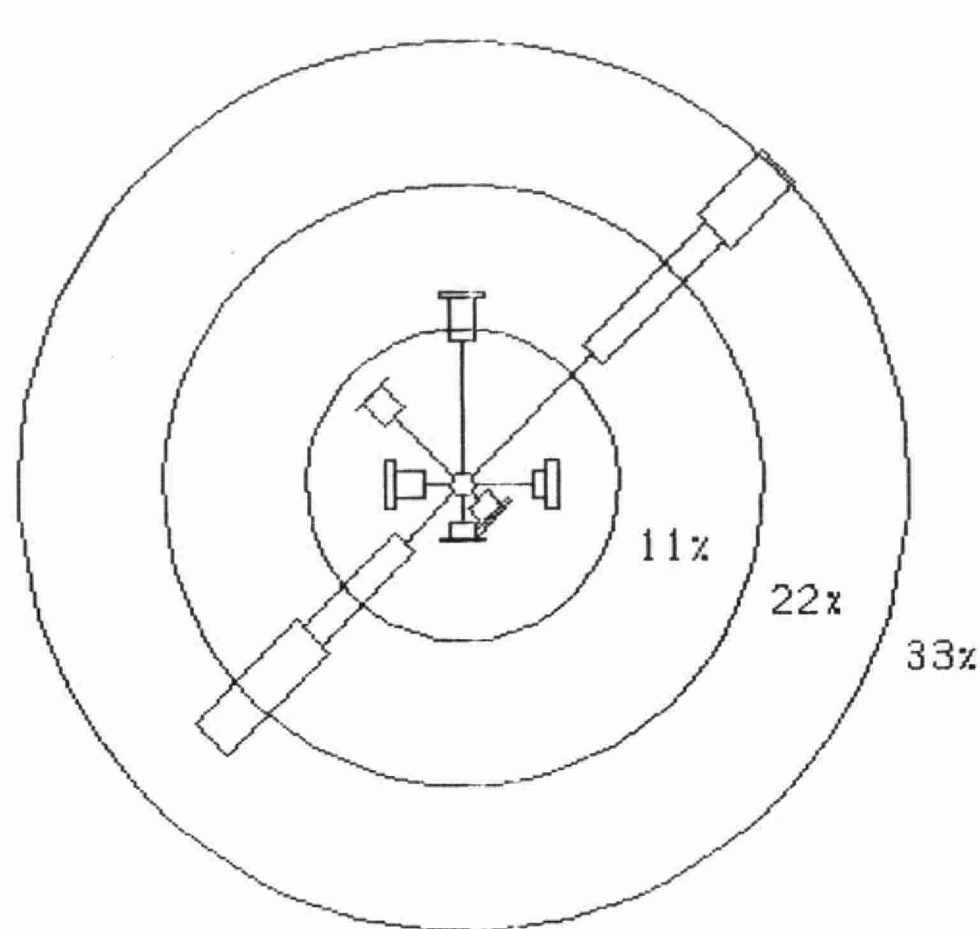


FIG. 1.51 : CURRENT ROSE HISTOGRAM: HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( FEB 84)



LEGEND

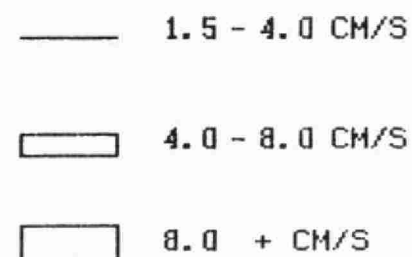


FIG. 1.52 : CURRENT ROSE HISTOGRAM: HUMBER BAY MIMICO L. ONT.



LOCATION - 310 ( MAR 84 )

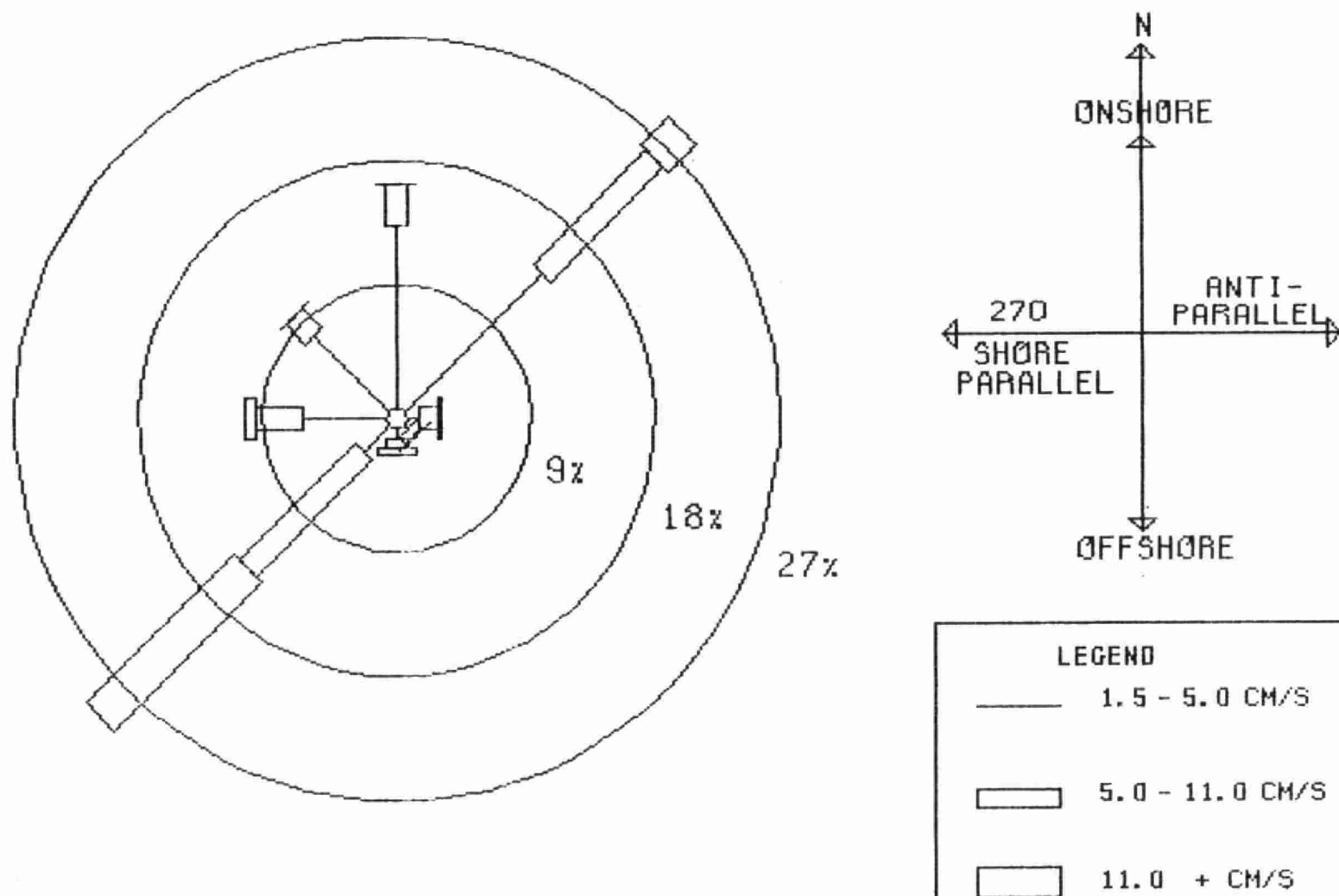


FIG. 1.53 : CURRENT ROSE HISTOGRAM: HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( APR 84 )

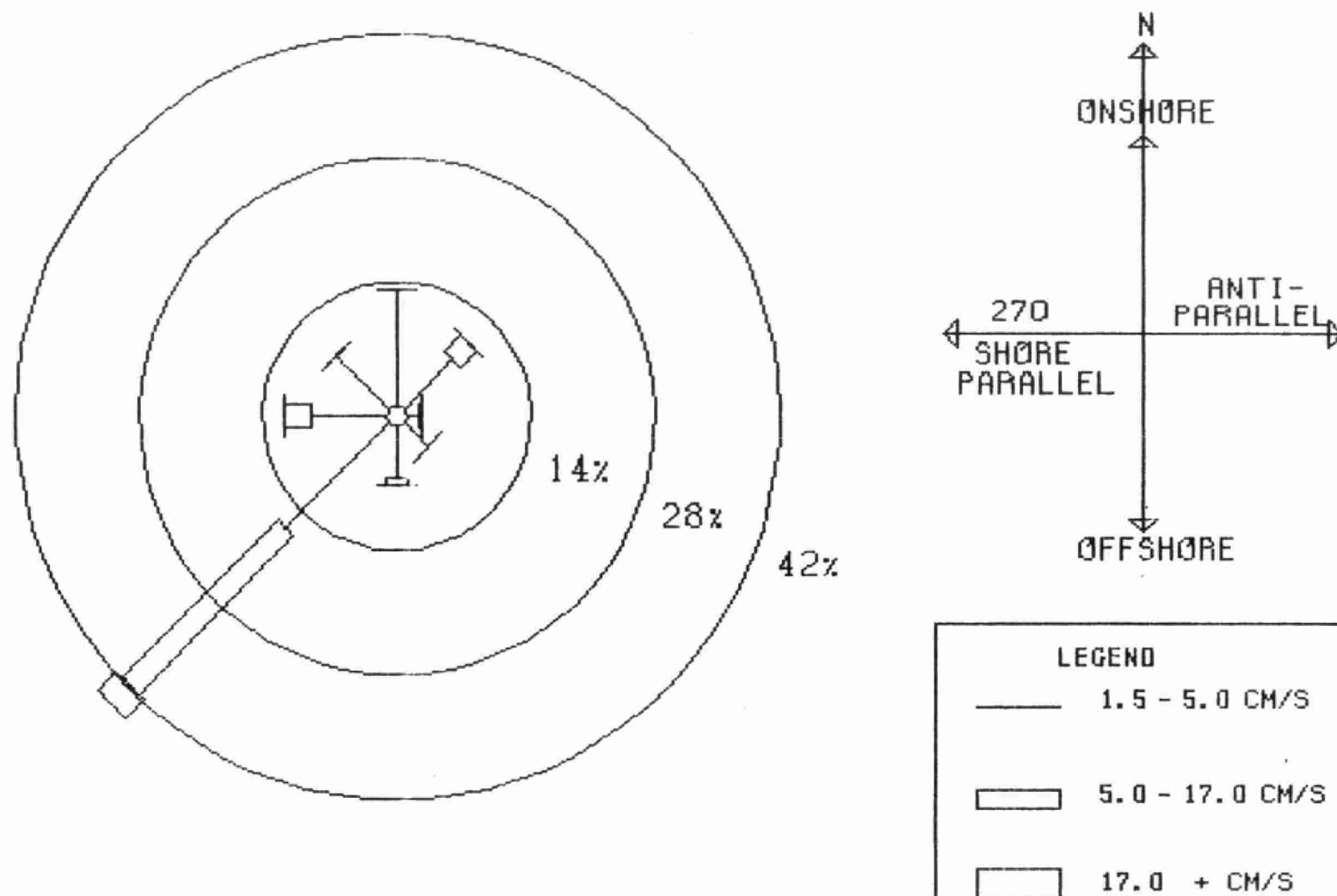


FIG.1.54 : CURRENT ROSE HISTOGRAM: HUMBER BAY MIMICO L. ONT.

LOCATION - 311 ( JUN 83 )

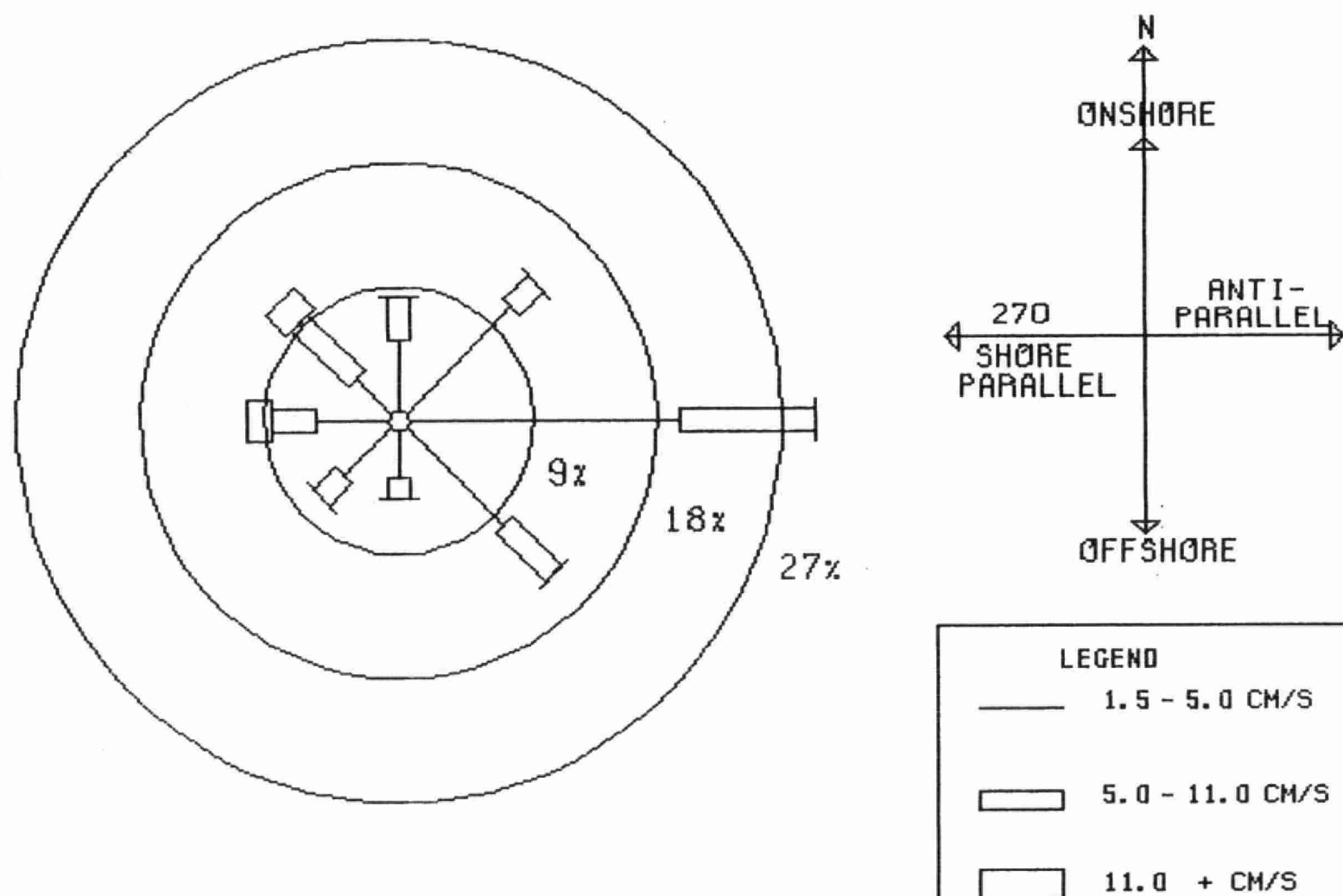
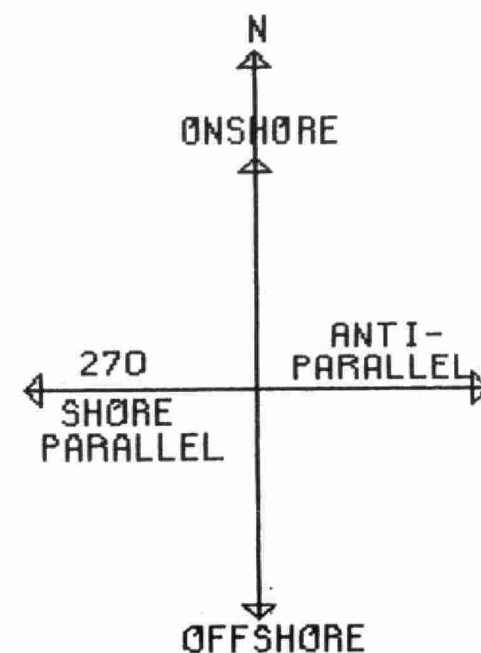
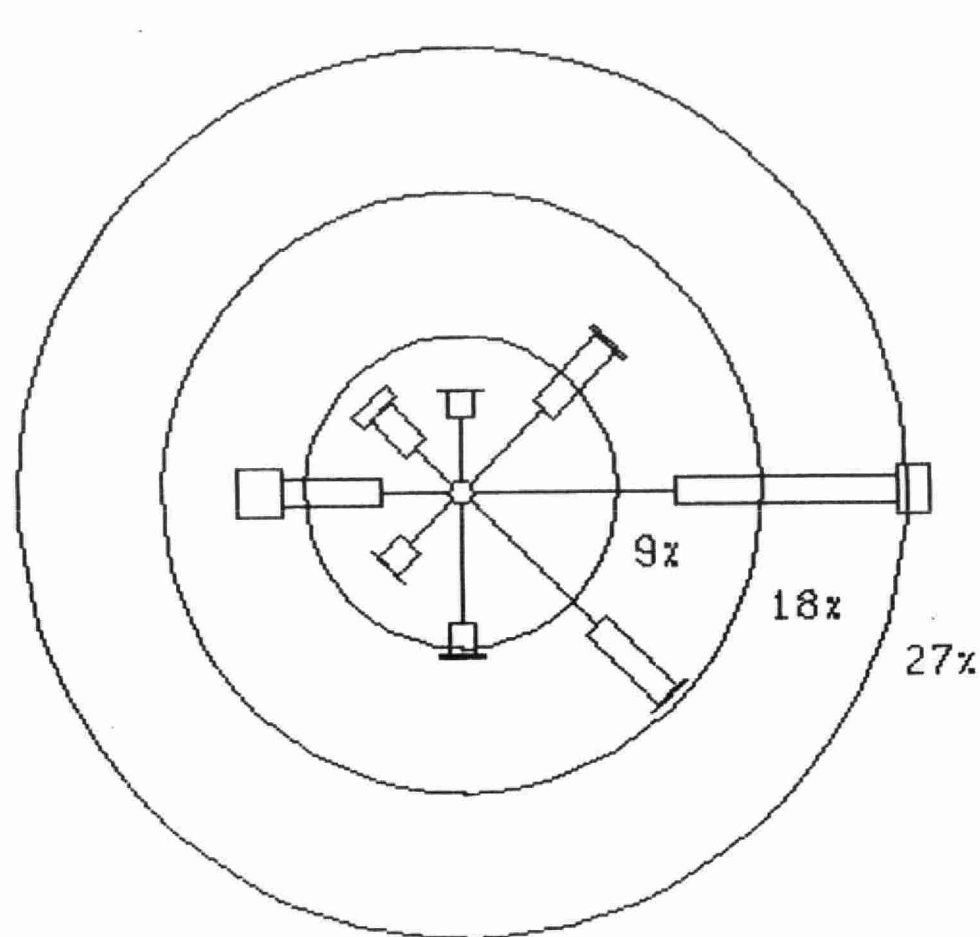


FIG. 1.55 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.

LOCATION - 311 ( JUL 83 )



LEGEND

- 1.5 - 5.0 CM/S
- 5.0 - 11.0 CM/S
- 11.0 + CM/S

FIG. 1.56 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.

LOCATION - 0311 ( AUG 83 )

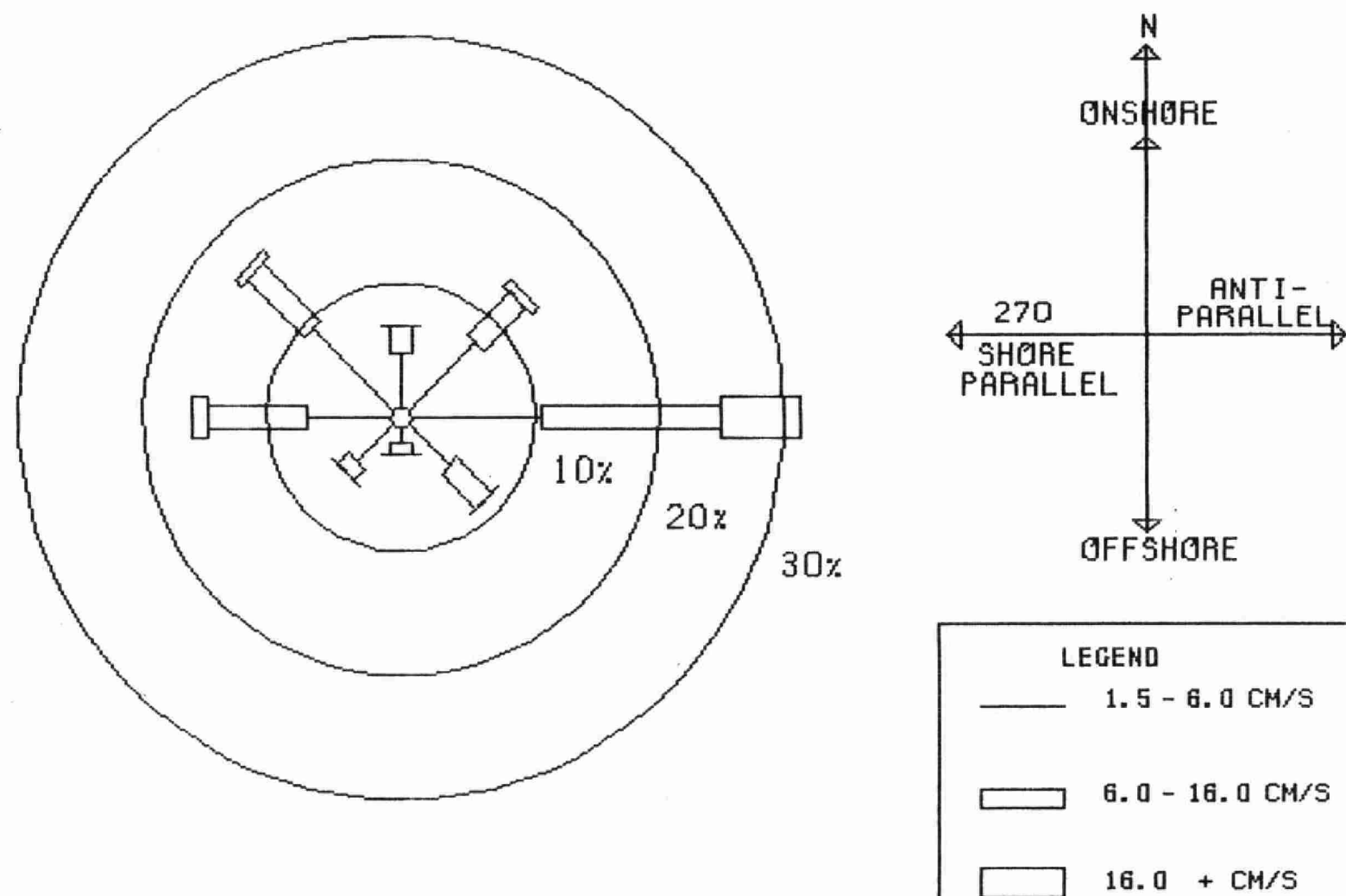
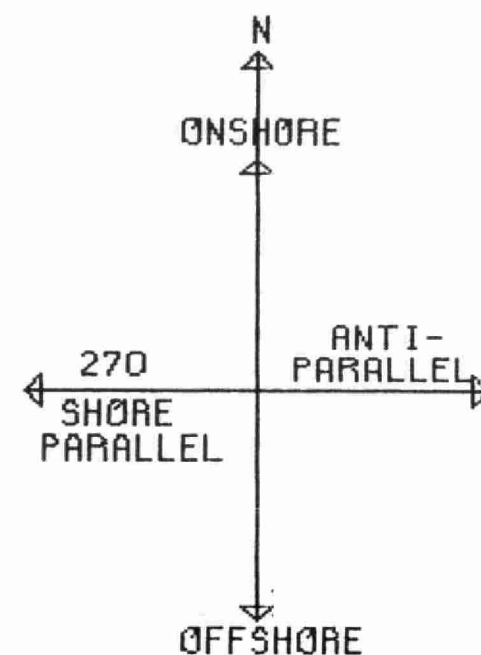
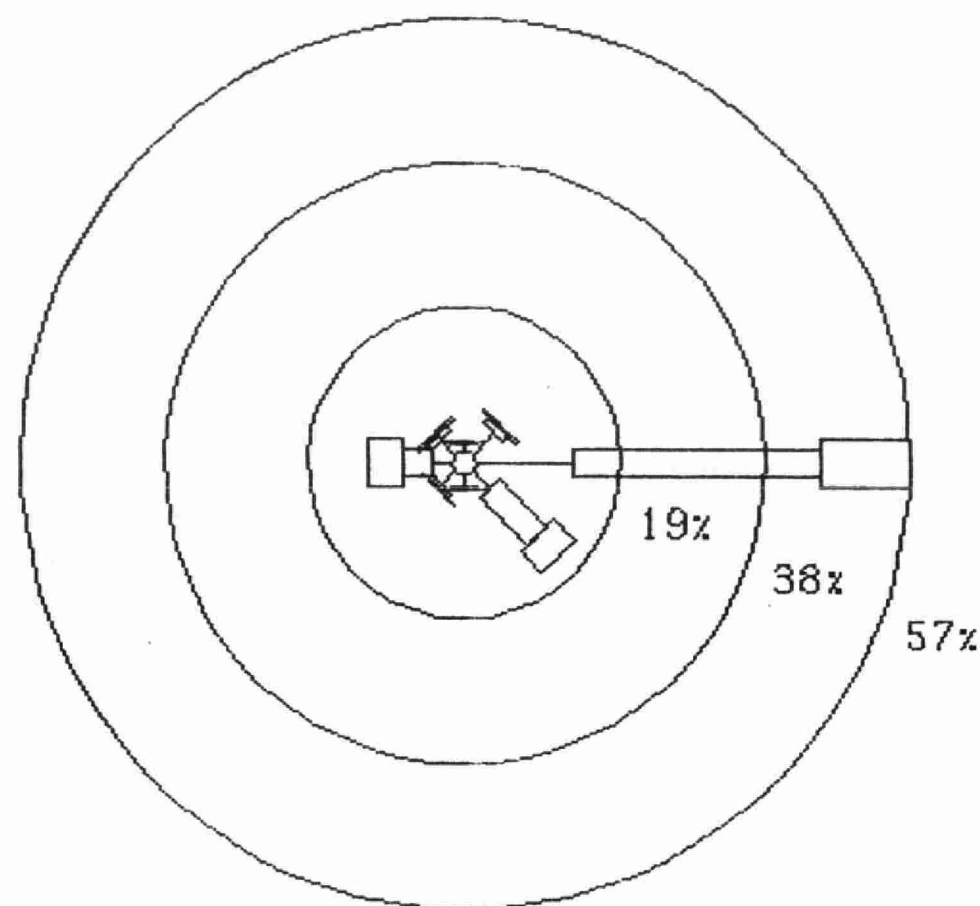


FIG.1.57 : CURRENT ROSE HISTOGRAM: HUMBER BAY L. ONT.

LOCATION - 311 ( DEC 83 )



LEGEND

- 2.1 - 10.0 CM/S
- 10.0 - 18.0 CM/S
- 18.0 + CM/S

FIG. 1.58 : CURRENT ROSE HISTOGRAM: HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( JAN 84 )

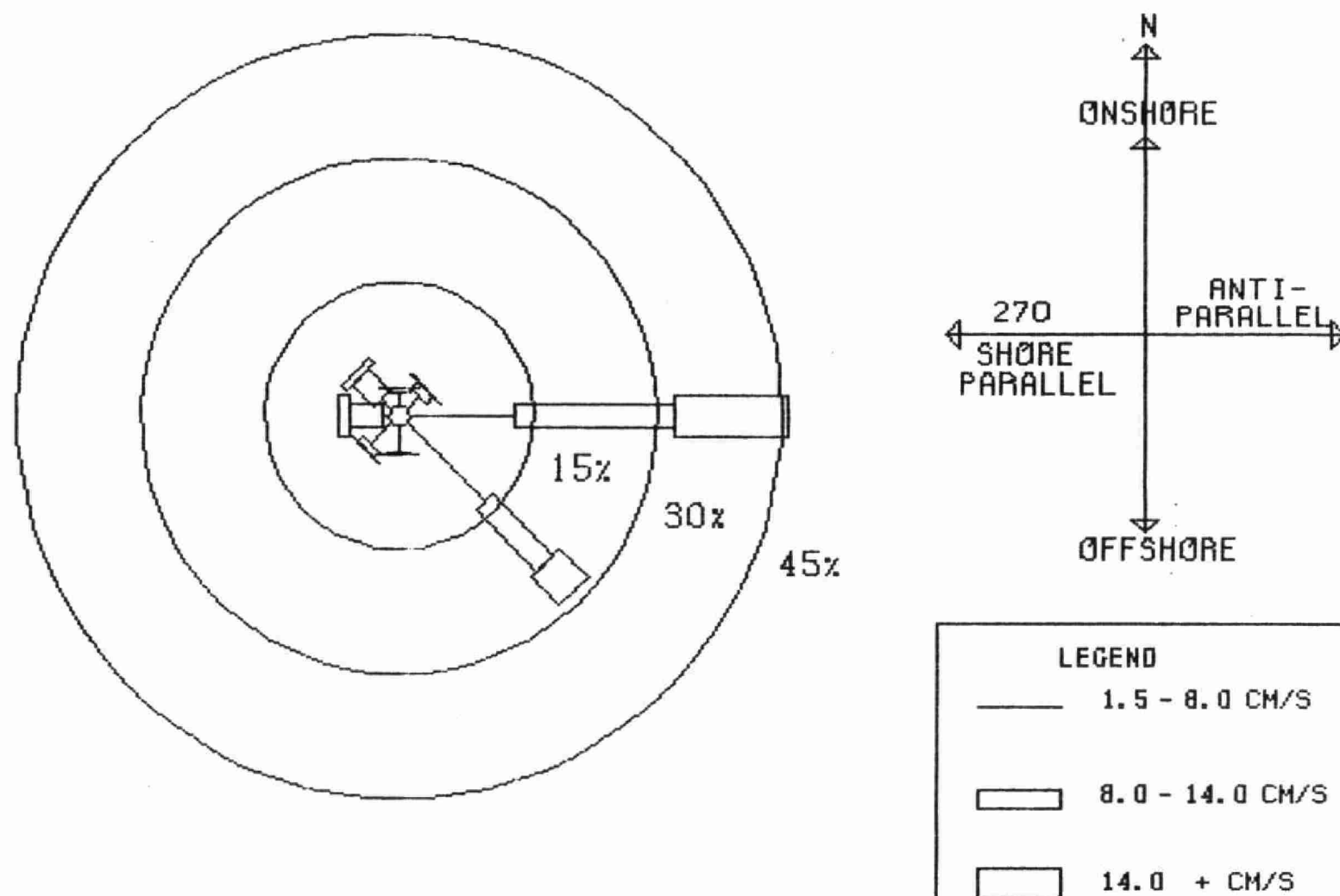
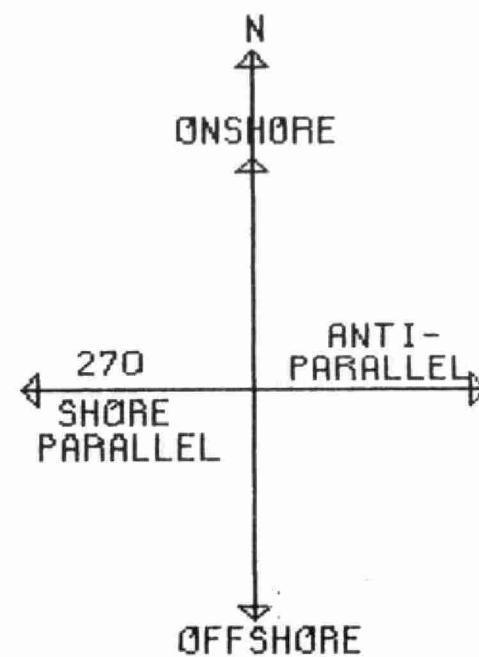
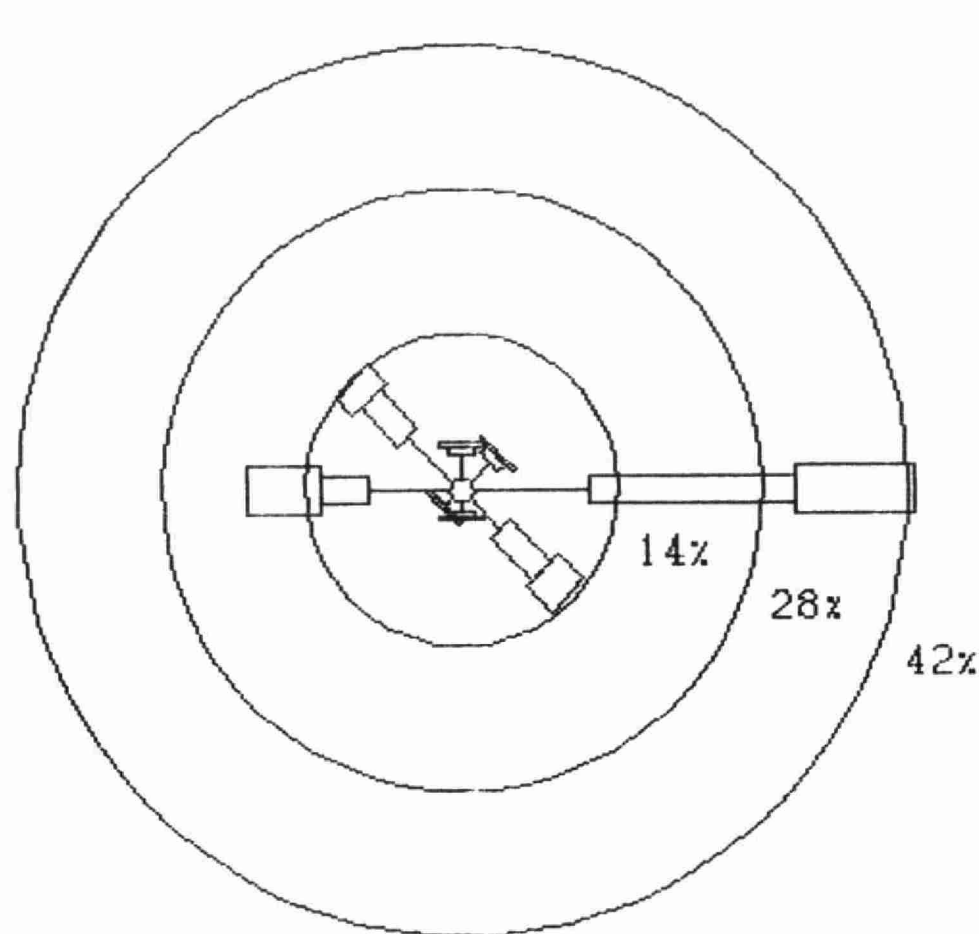


FIG. 1.59 : CURRENT ROSE HISTOGRAM: HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( FEB 84)



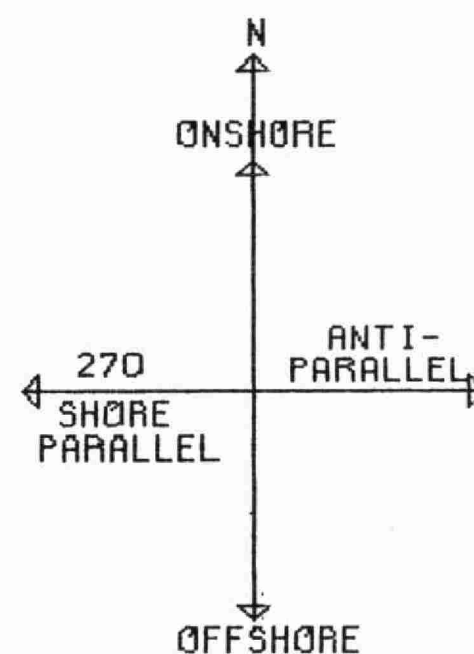
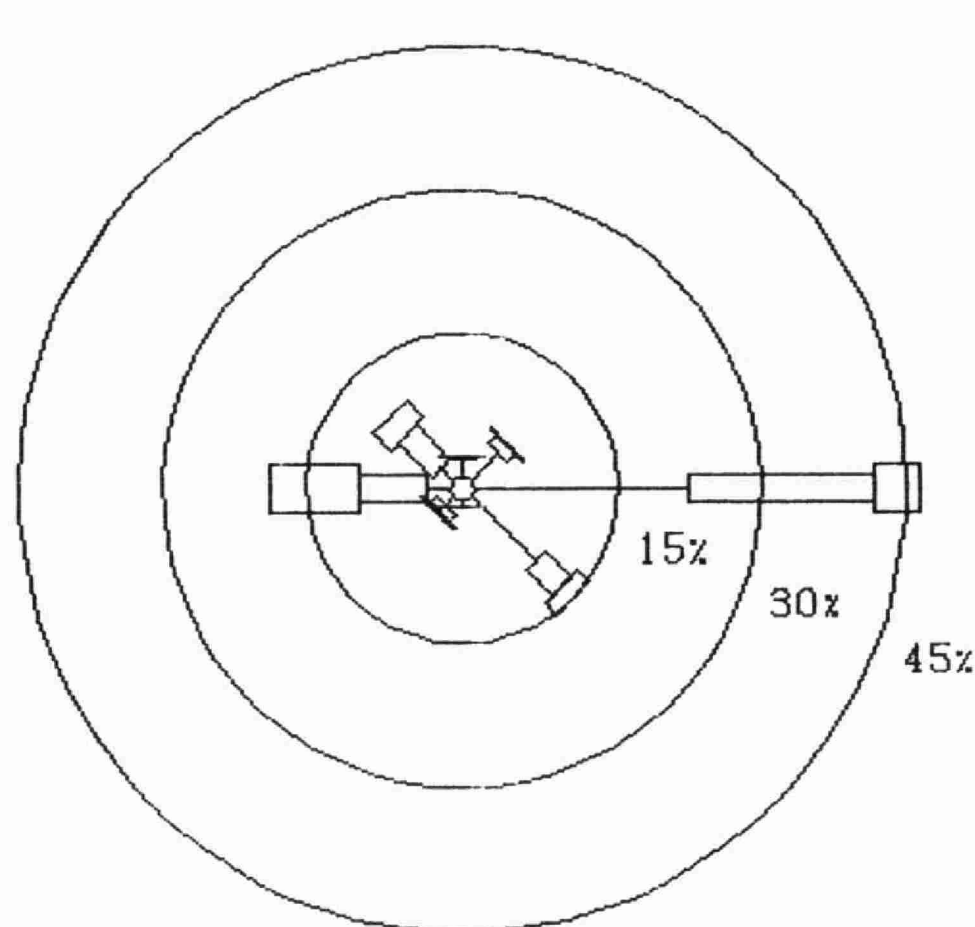
LEGEND

- 1.5 - 7.0 CM/S
- ▬ 7.0 - 11.0 CM/S
- ▬ 11.0 + CM/S

FIG. 1.60 : CURRENT ROSE HISTOGRAM: HUMBER ONTARIO PLACE L. ONT.



LOCATION - 311 ( MAR 84 )

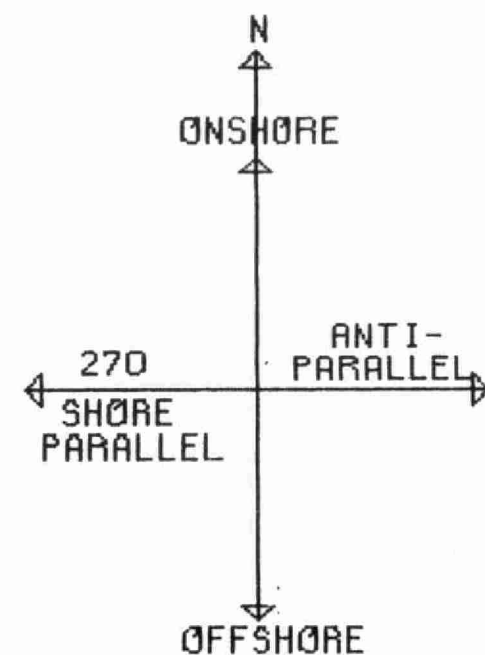
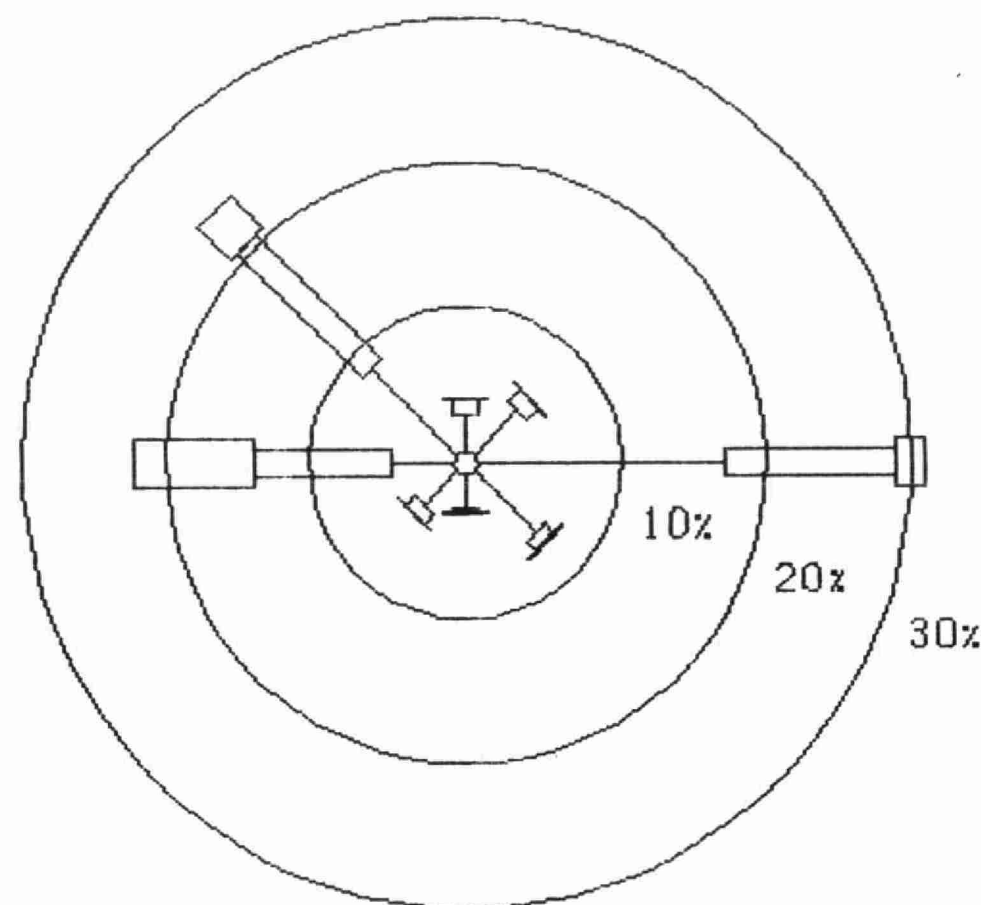


LEGEND

- 1.5 - 8.0 CM/S
- 8.0 - 14.0 CM/S
- 14.0 + CM/S

FIG.1.61 : CURRENT ROSE HISTOGRAM: HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( APR 84)

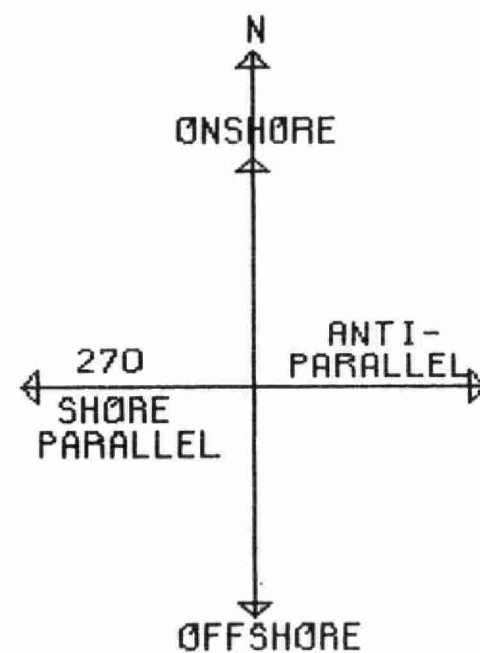
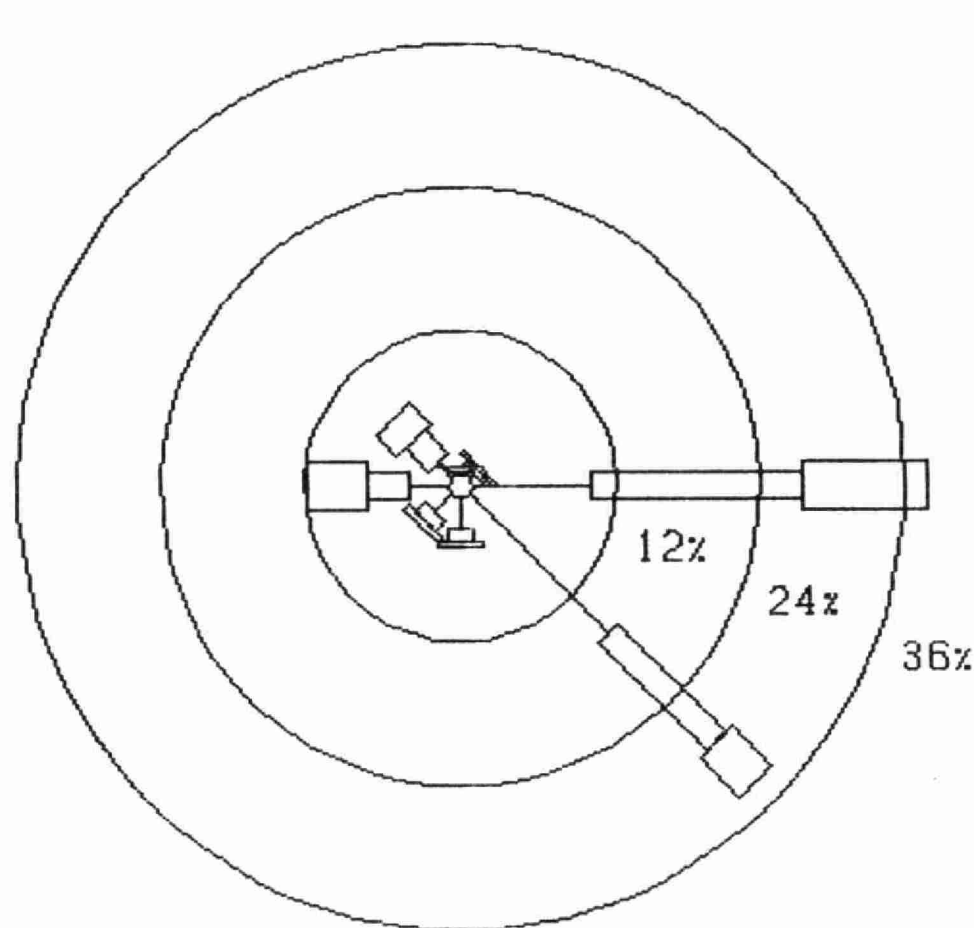


LEGEND

- 1.5 - 5.0 CM/S
- 5.0 - 11.0 CM/S
- 11.0 + CM/S

FIG. 1.62 : CURRENT ROSE HISTOGRAM: HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( MAY 84 )



LEGEND

- 1.5 - 4.0 CM/S
- 4.0 - 8.0 CM/S
- 8.0 + CM/S

FIG. 1.63 : CURRENT ROSE HISTOGRAM: HUMBER ONTARIO PLACE L. ONT.

LOCATION - 306 ( MAY 83)

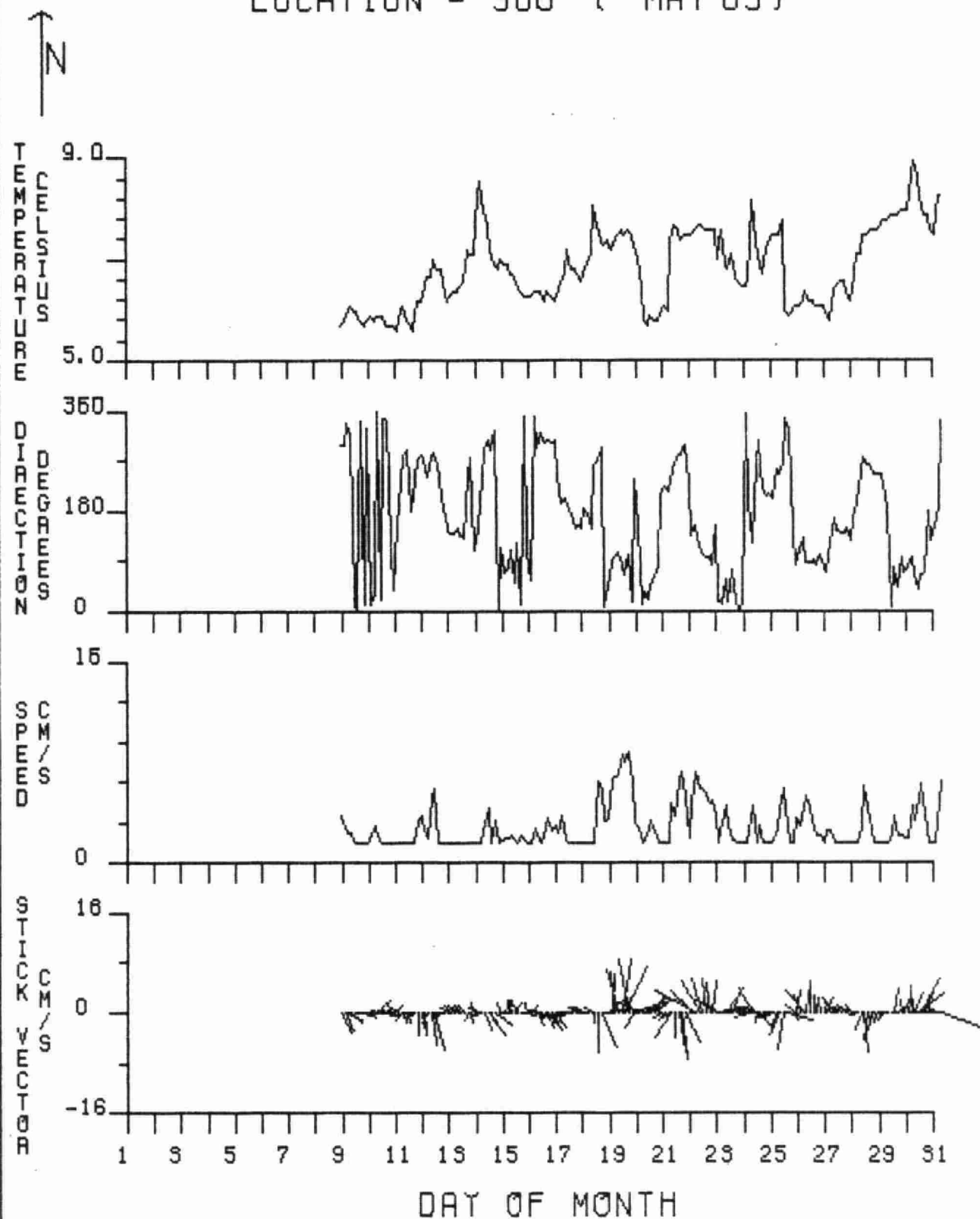


FIG. 2.01. VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 306 ( JUN 83)

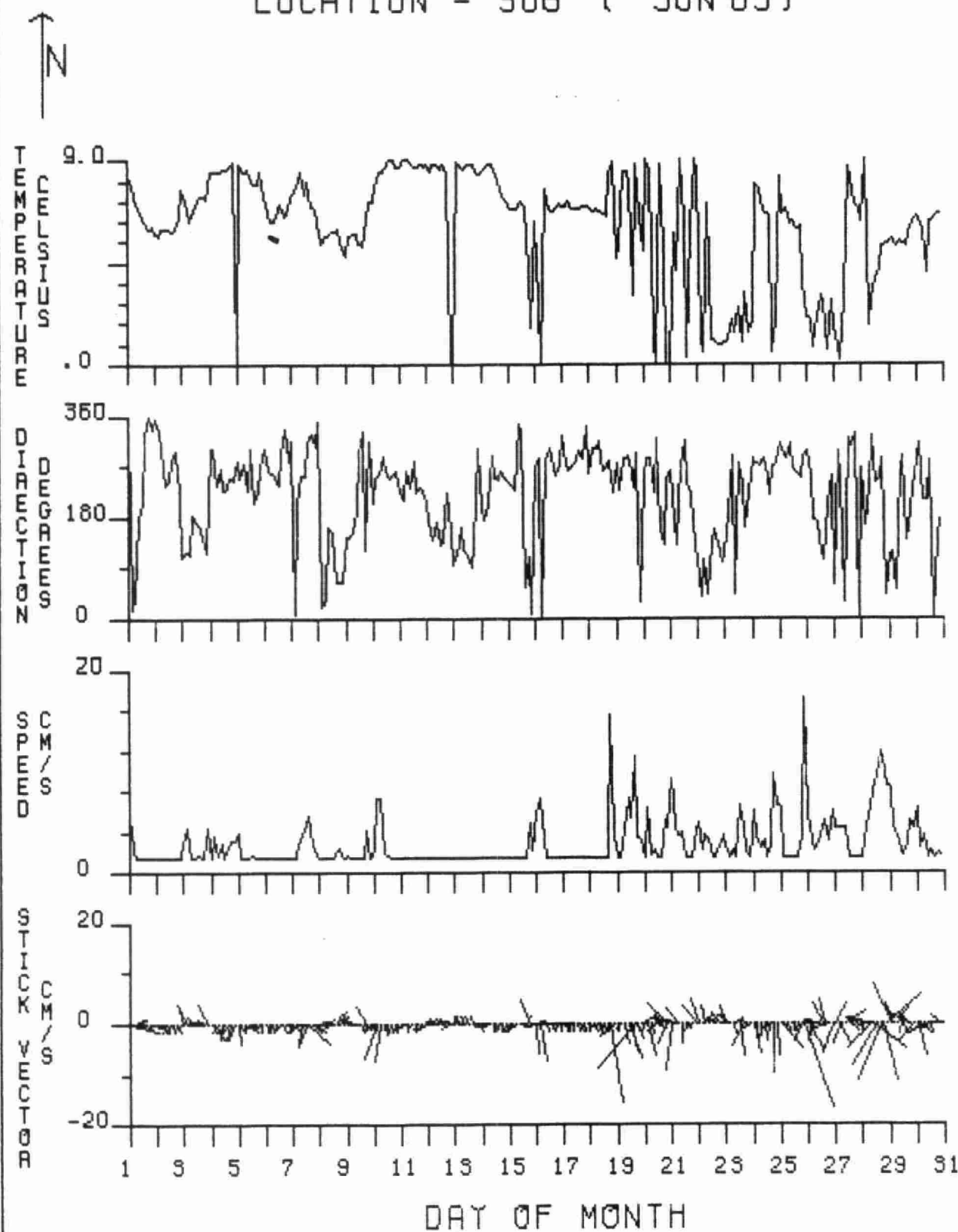


FIG. 2.02 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 306 ( JUL 83)

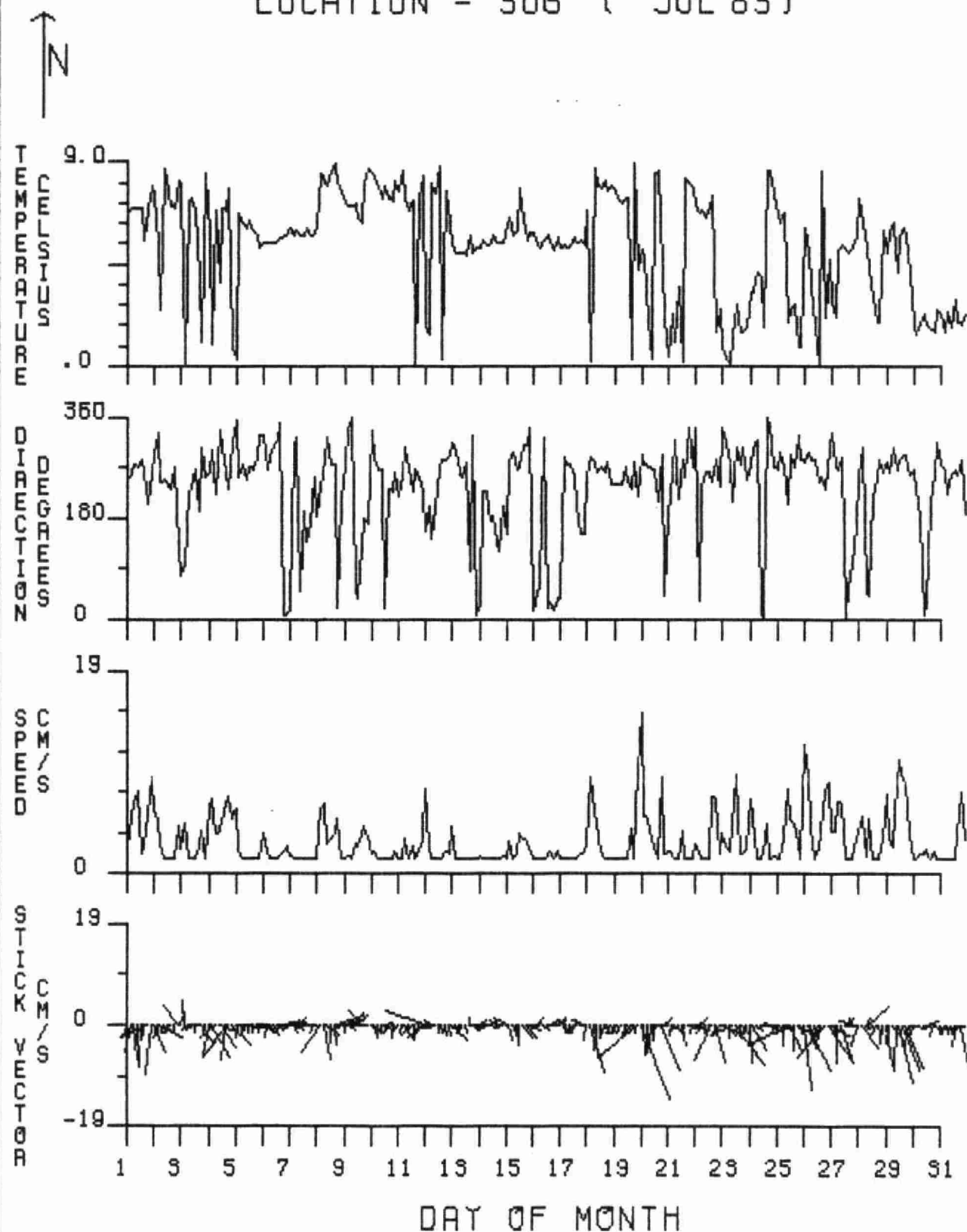


FIG.2.03 : VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER B L. ONT.

LOCATION - 306 ( AUG 83)

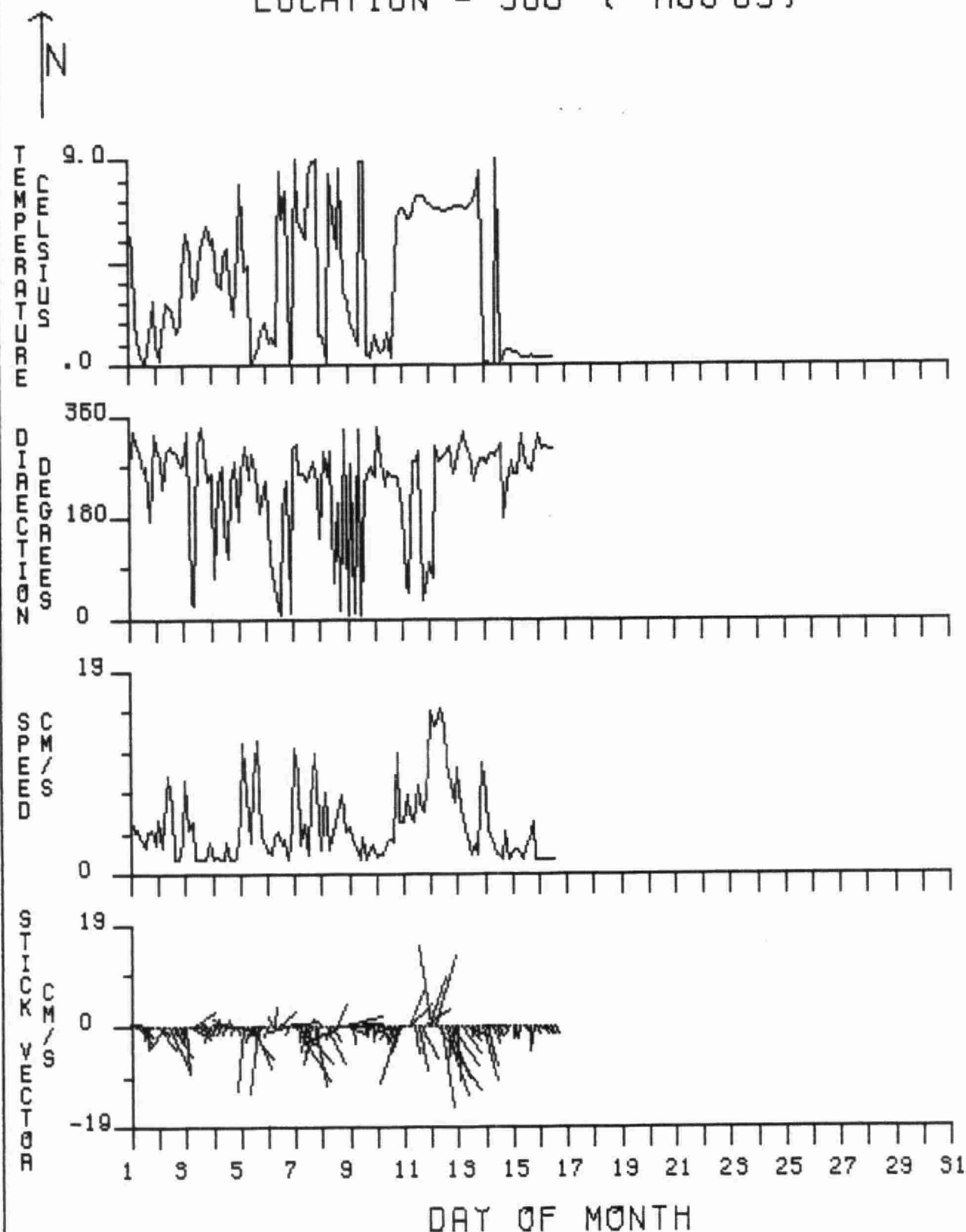


FIG.2.04 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 306 ( AUG 83)

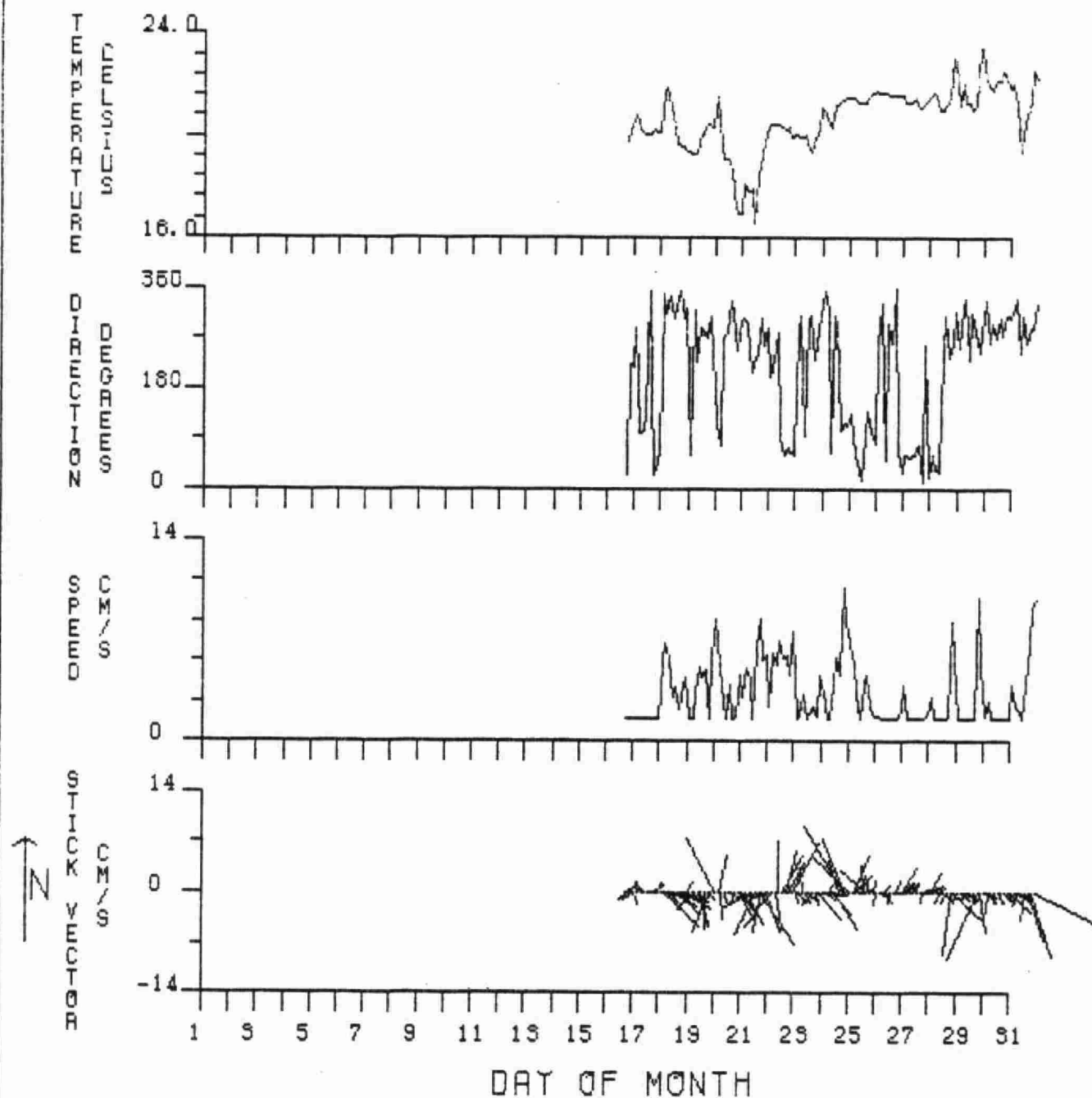


FIG. 2.05. VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUM. BAY-BLVD. CLUB L.ONT



LOCATION - 306 ( SEP 83)

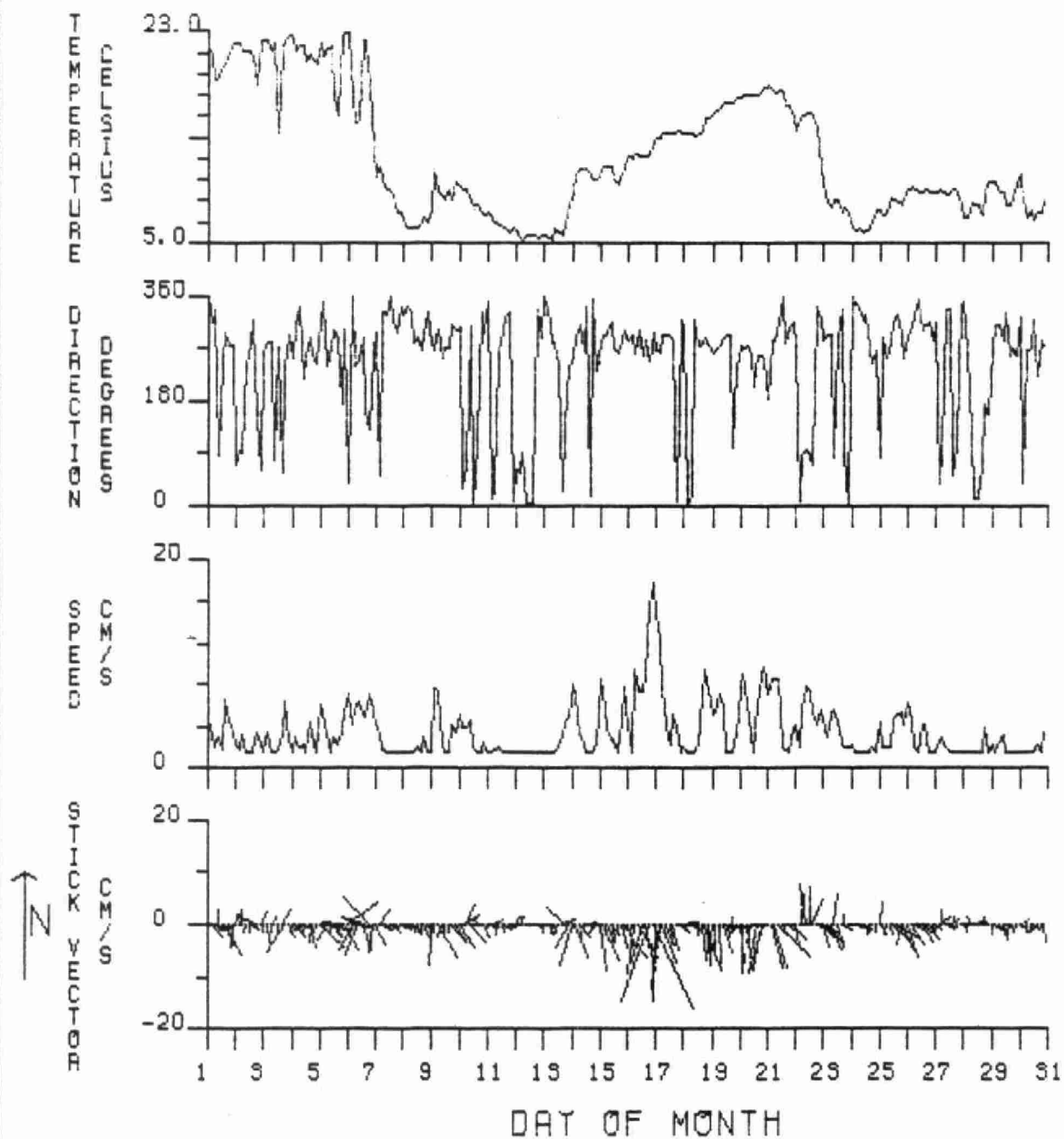


FIG.2.06 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUM. BAY-BLVD. CLUB L.ONT

LOCATION - 306 ( OCT 83)

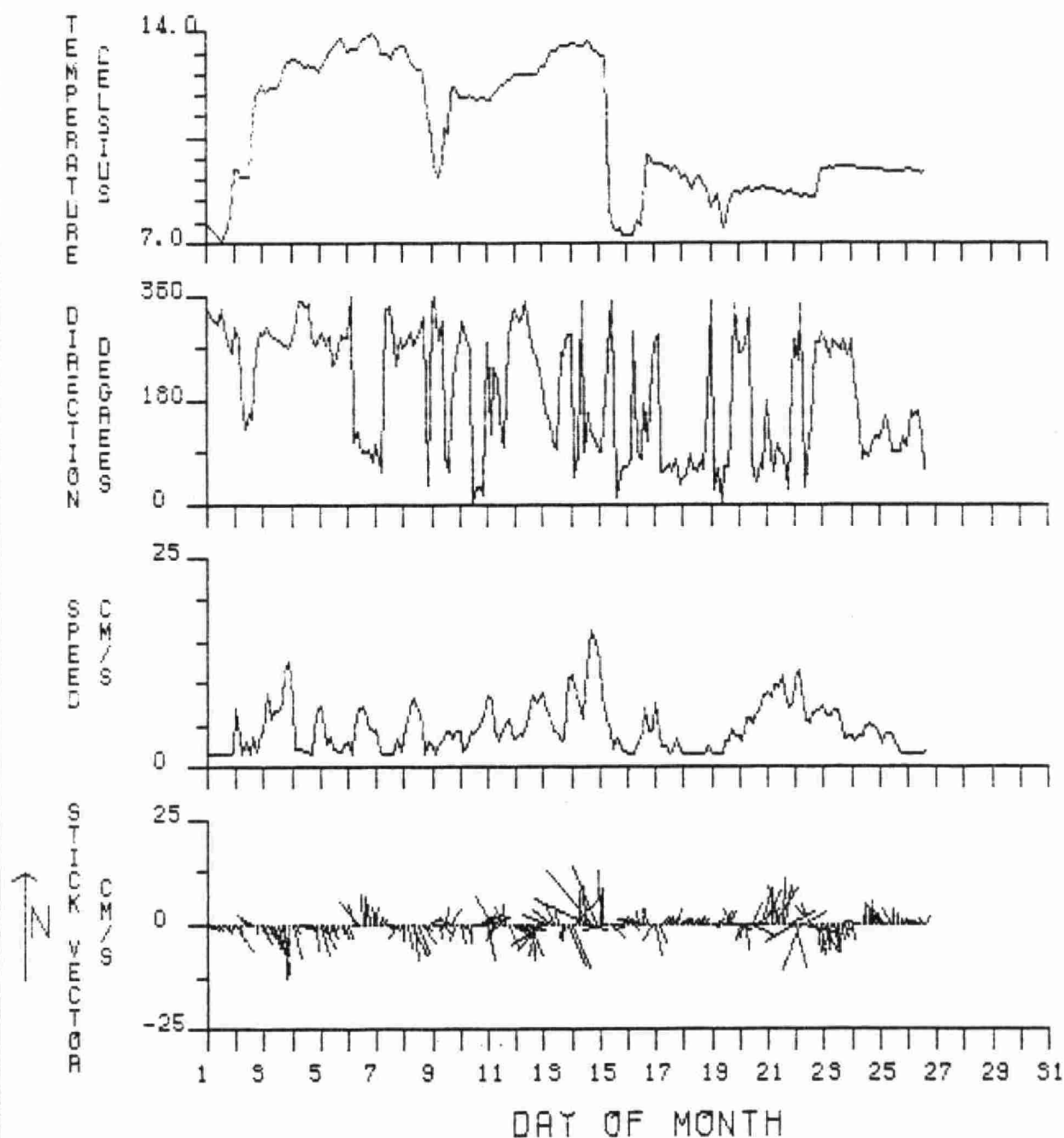


FIG.2.07 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUM. BAY-BLVD. CLUB L.ONT

LOCATION - 306 ( NOV 83)

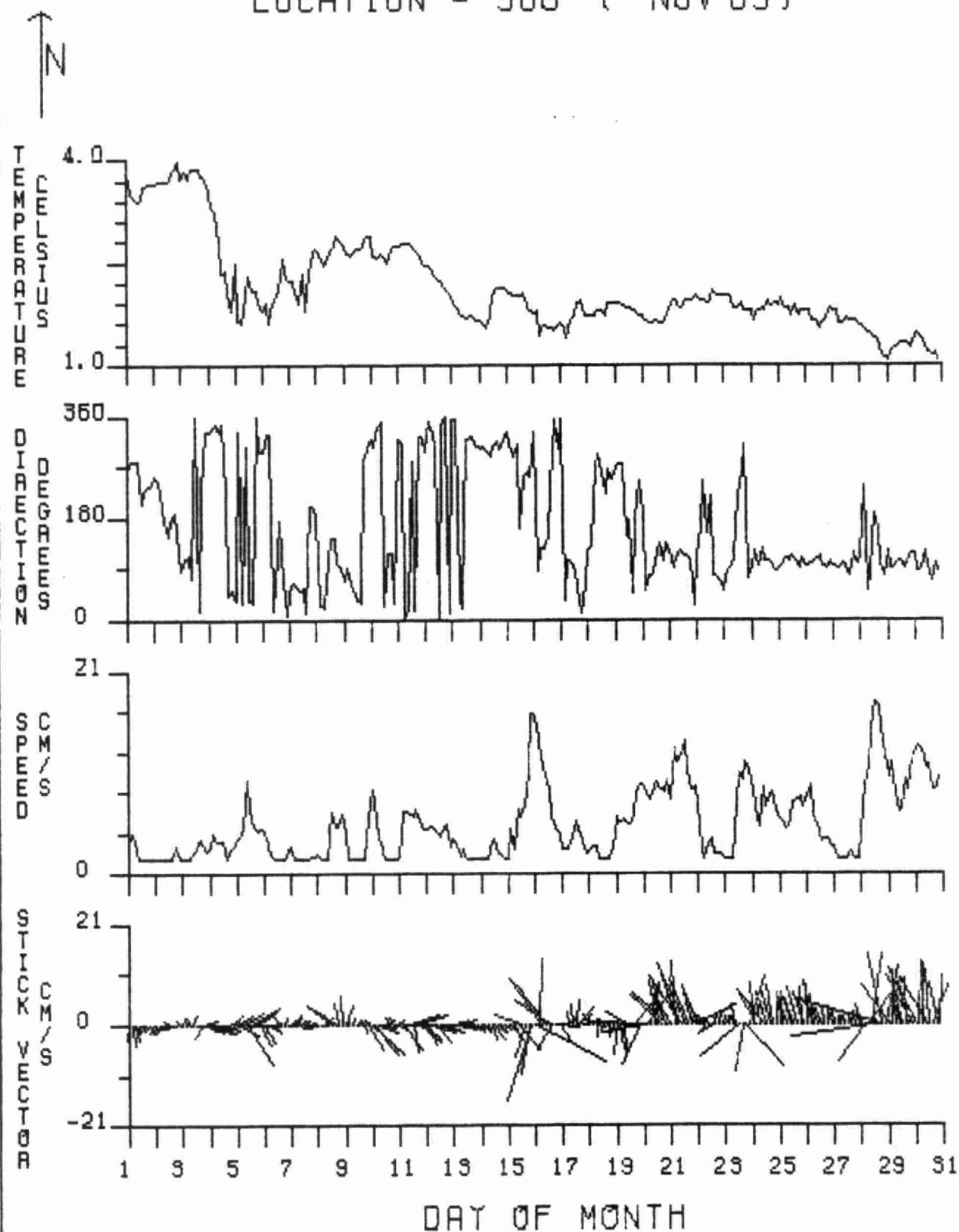


FIG. 2.08 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( DEC 83)

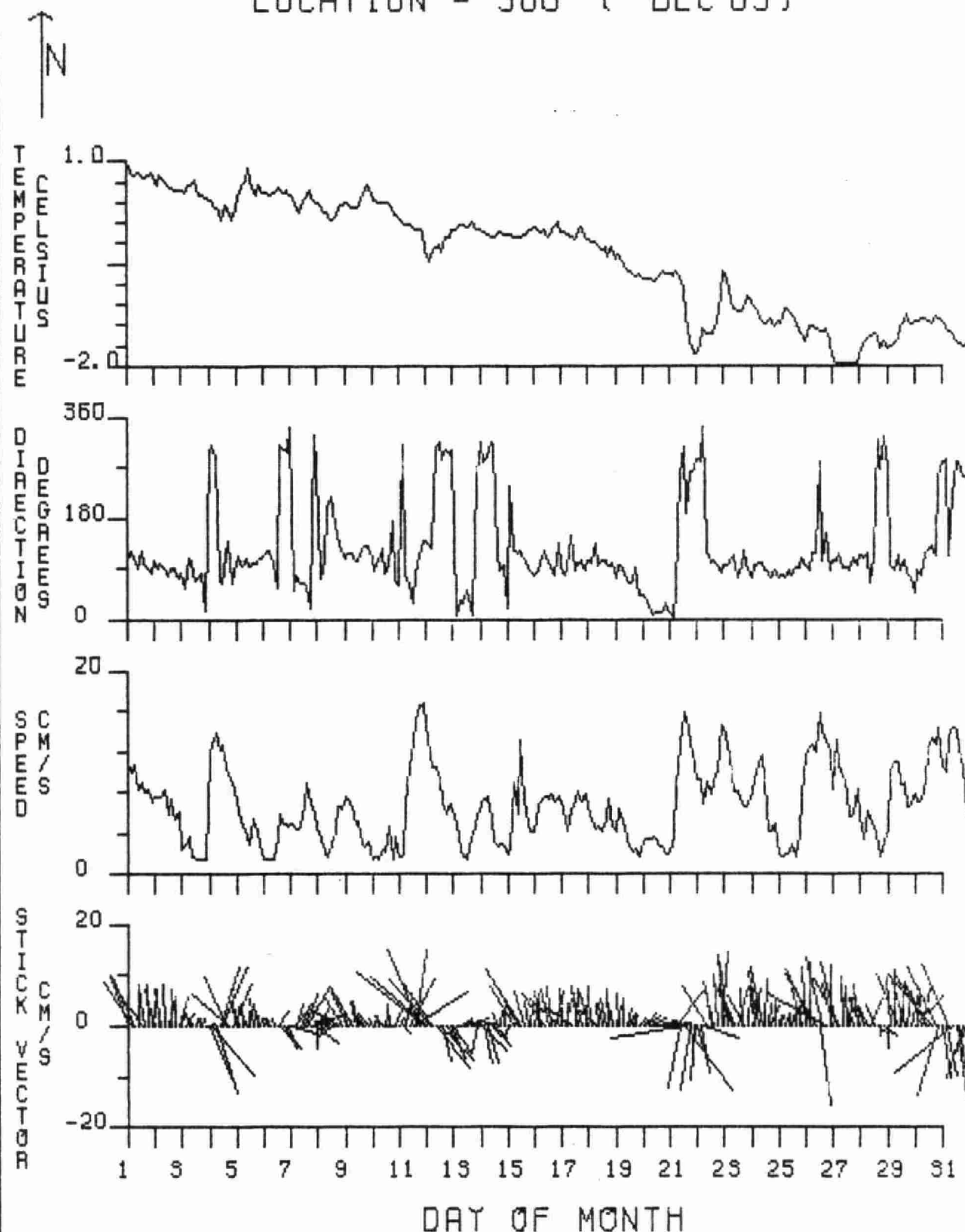


FIG. 2.09 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( JAN 84 )

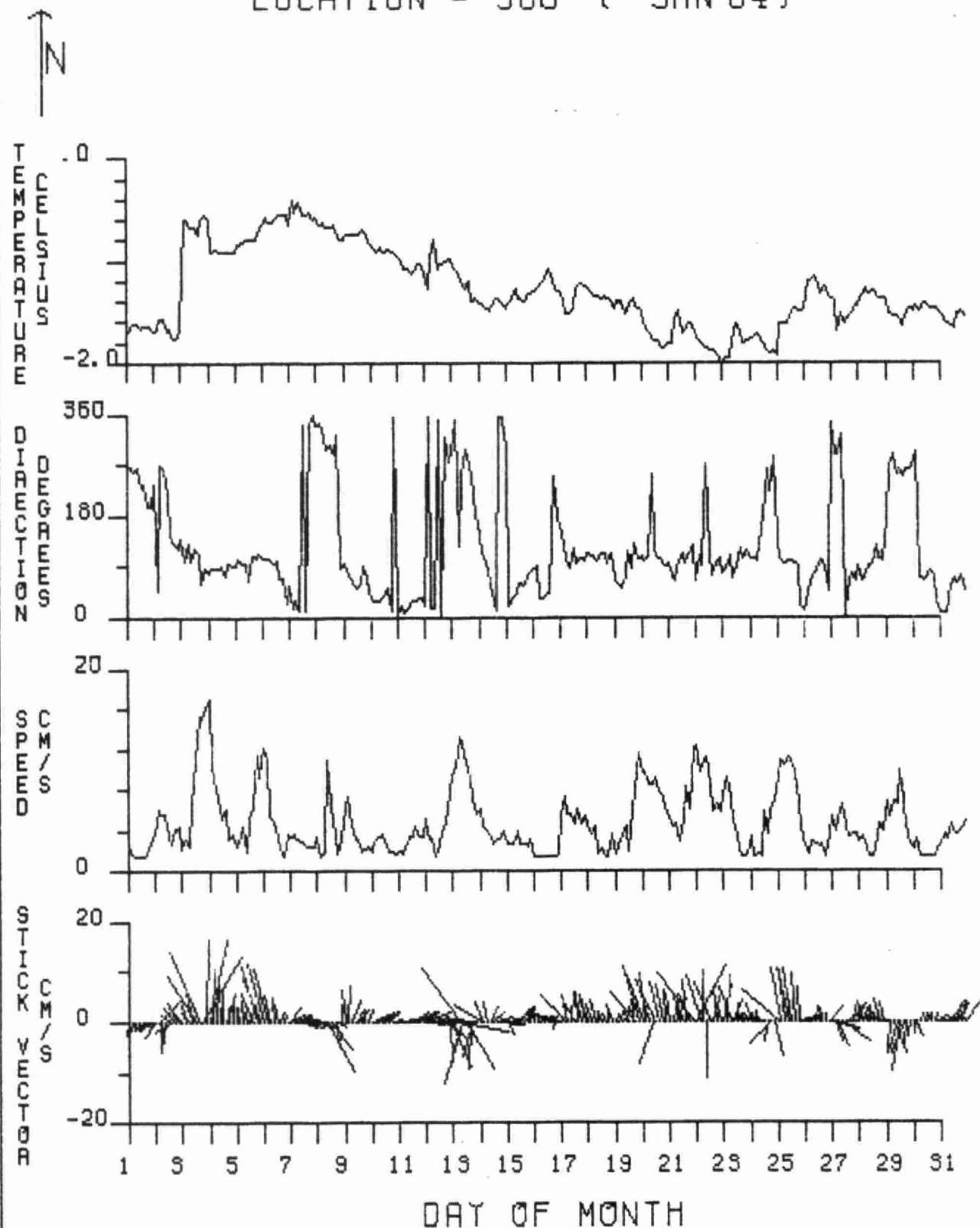


FIG.2.10 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( FEB 84 )

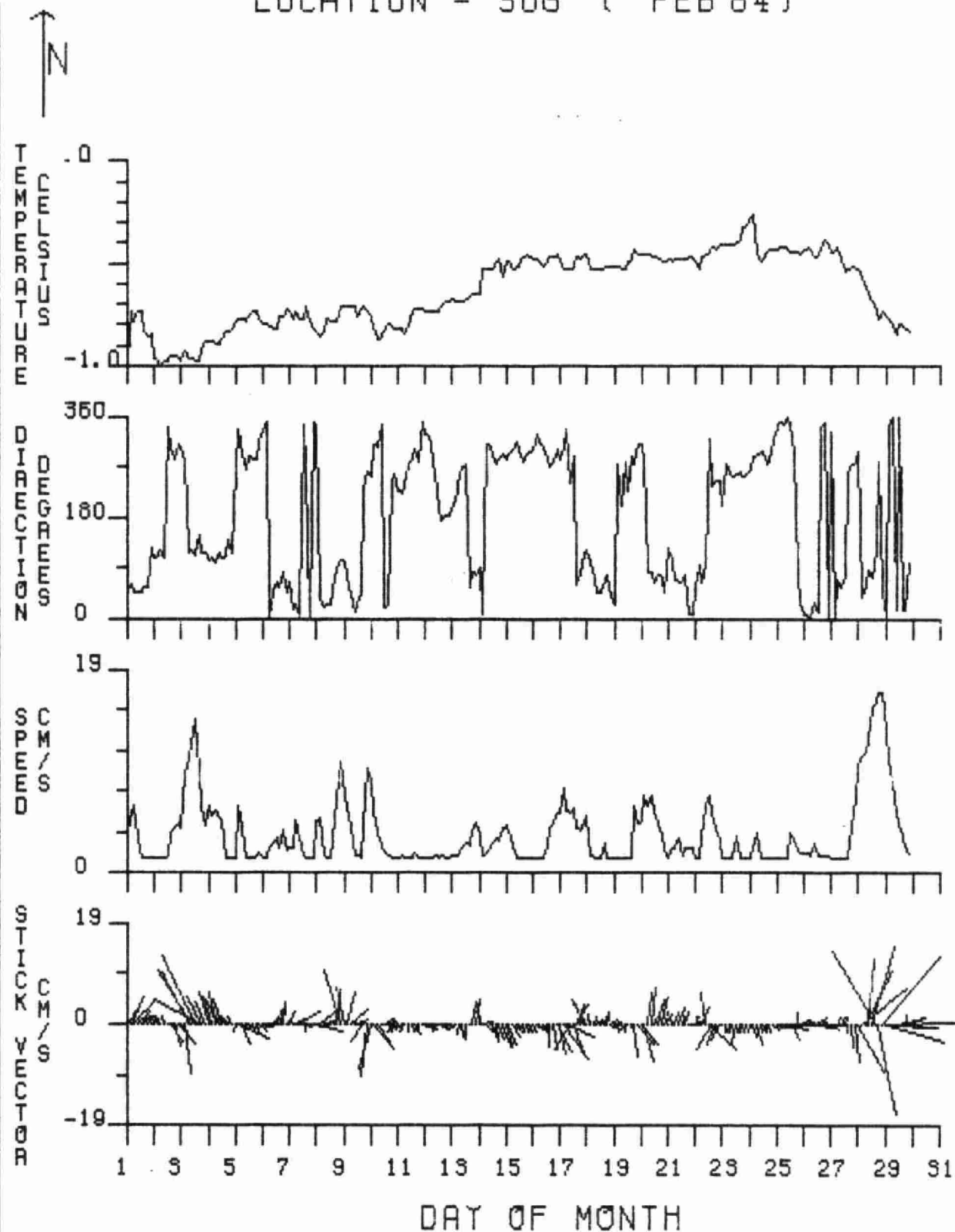


FIG.2.11 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( MAR 84 )

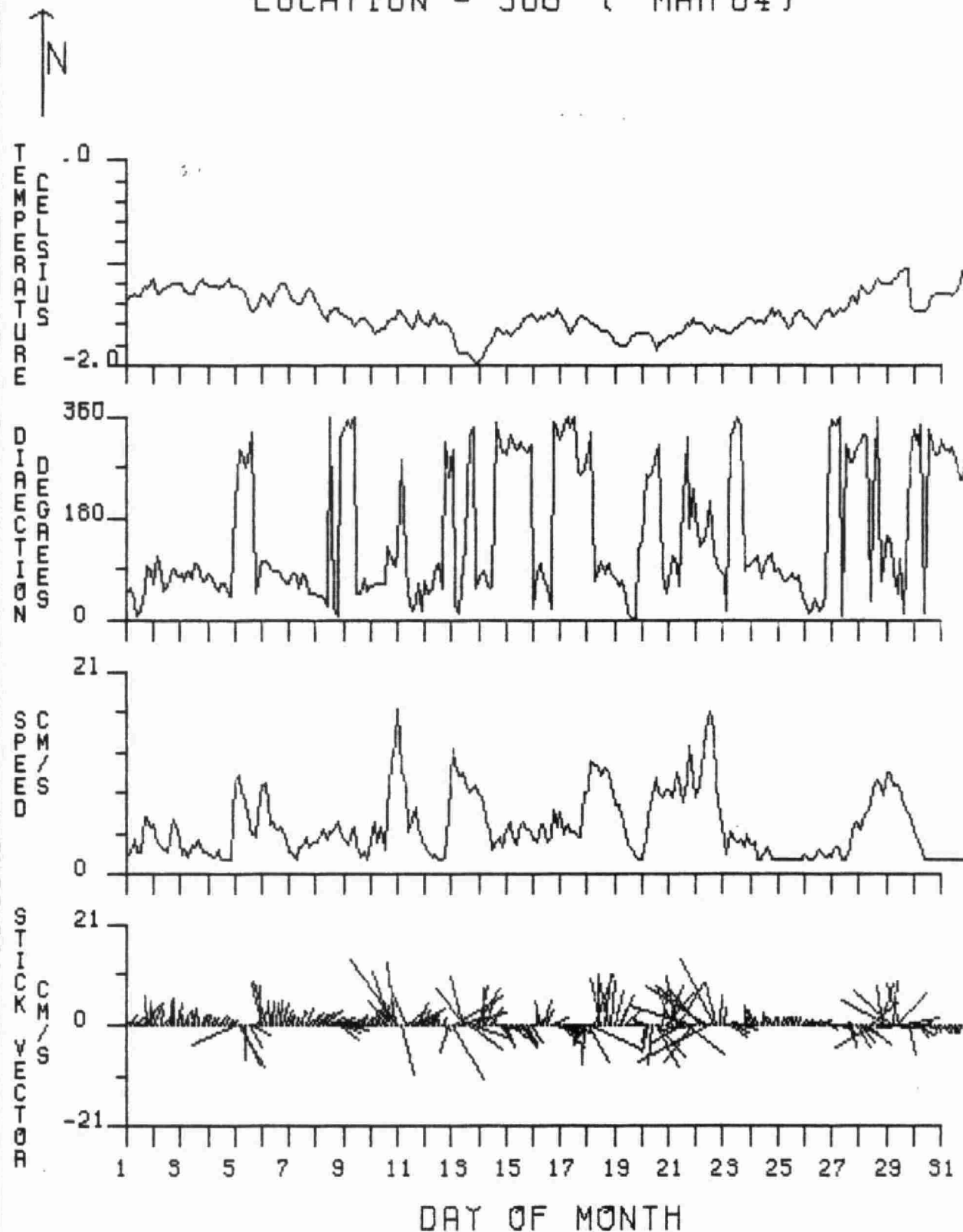


FIG. 2.12. VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( APR 84 )

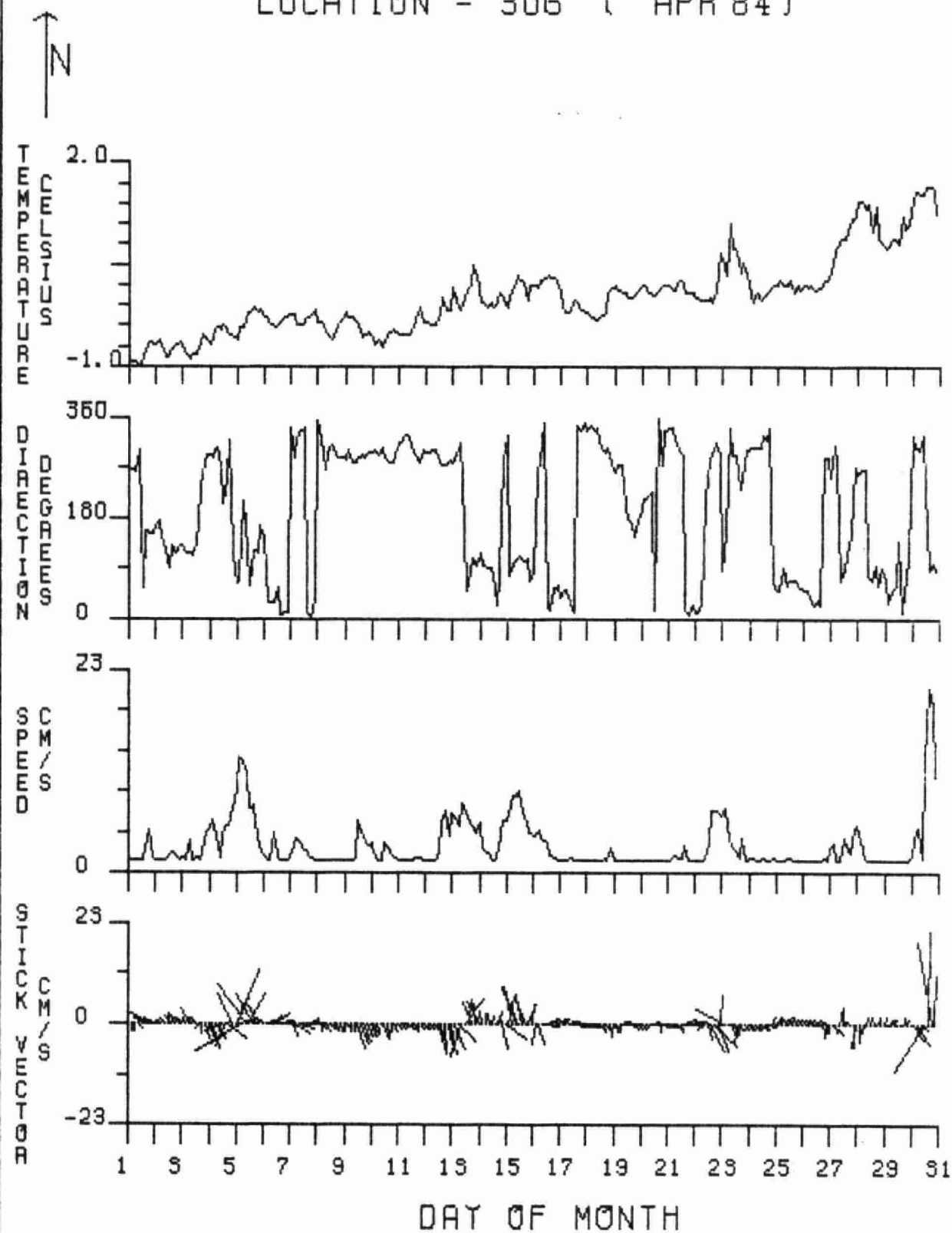


FIG.2.13 . VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BOULEVARD L. ONT.



LOCATION - 306 ( MAY 84 )

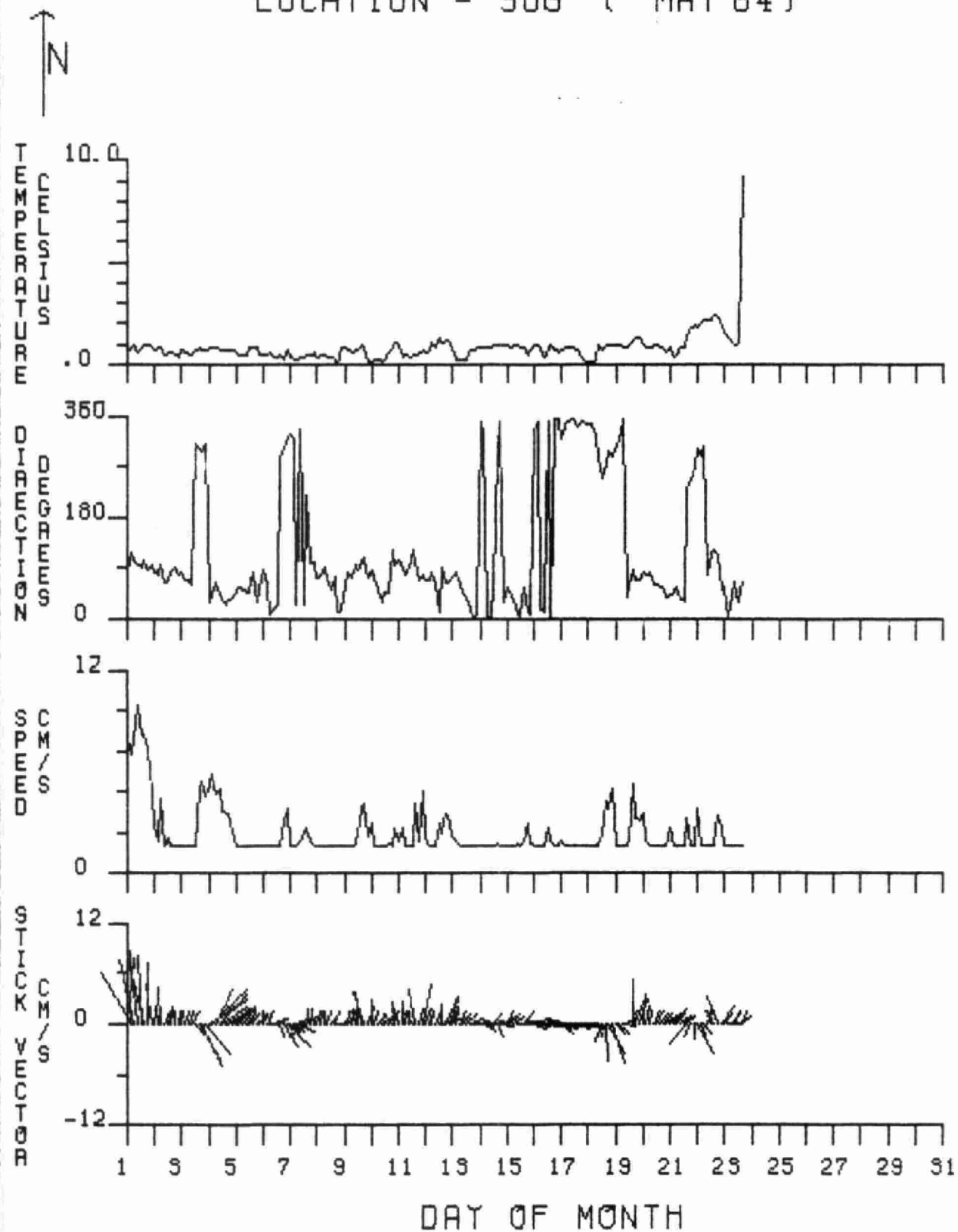


FIG. 2.14 . VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BOULEVARD L. ONT.

LOCATION - 307 ( MAY 83)

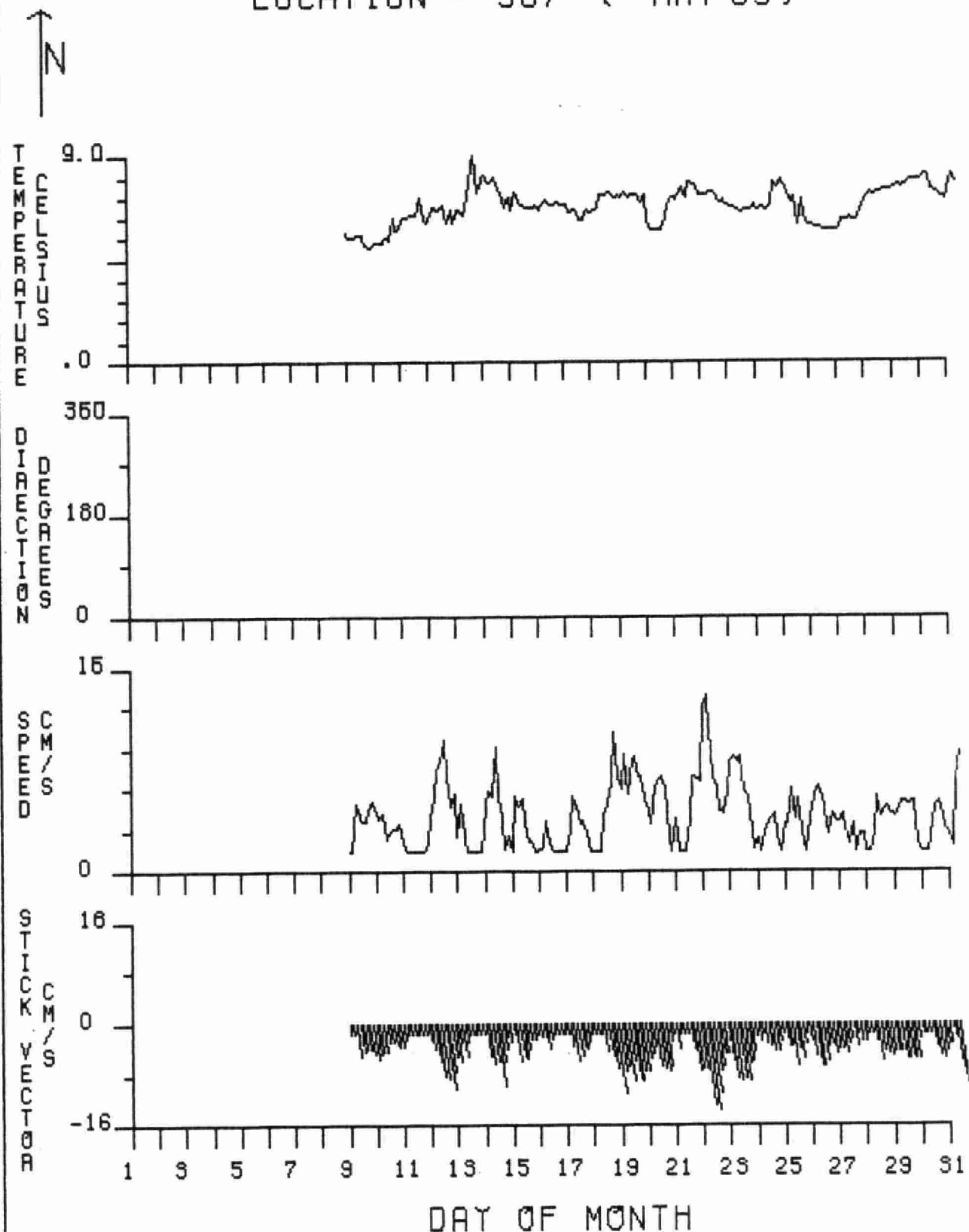


FIG.2.15 : VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 307 ( JUN 83 )

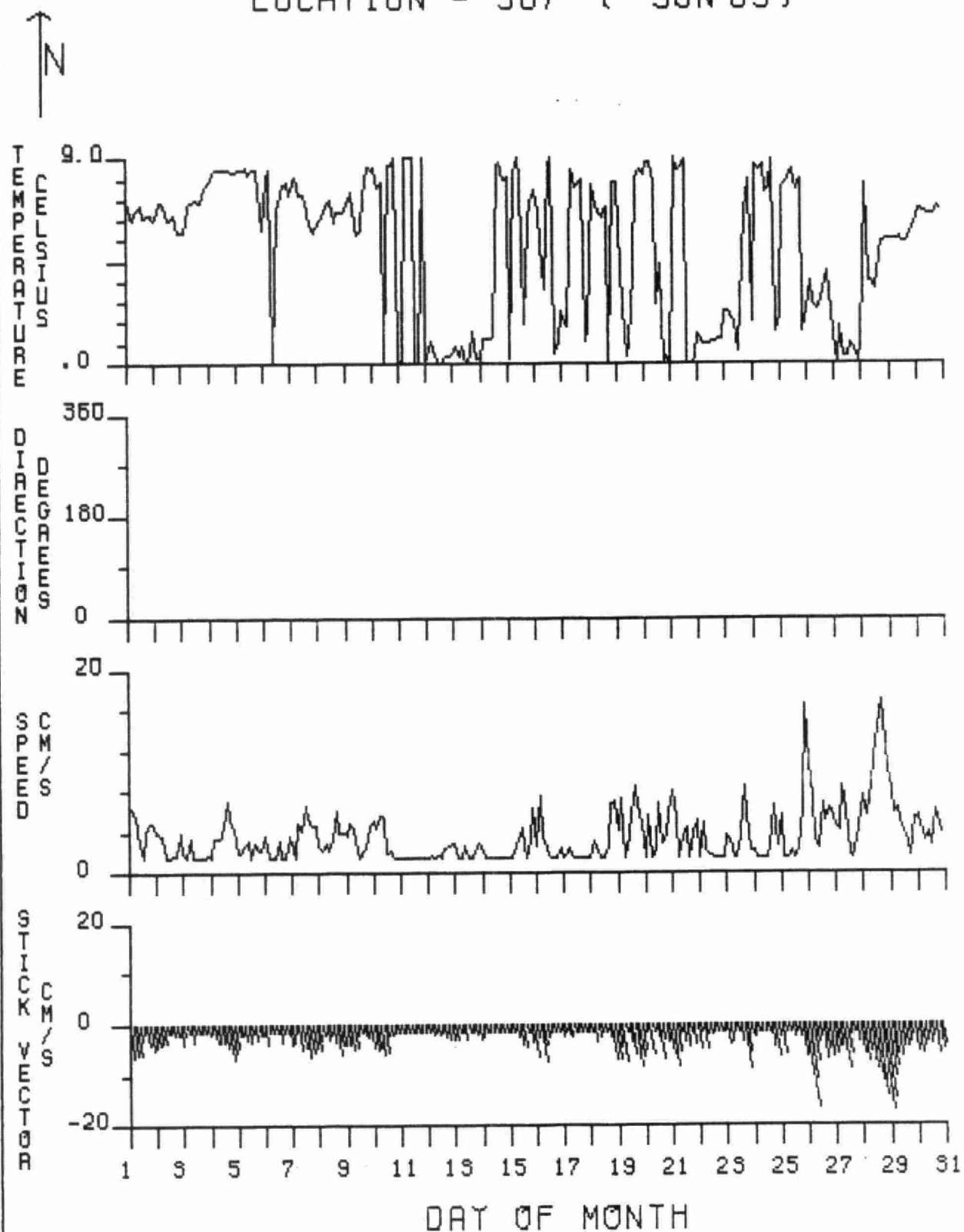


FIG.2.16 : VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 307 ( JUL 83 )

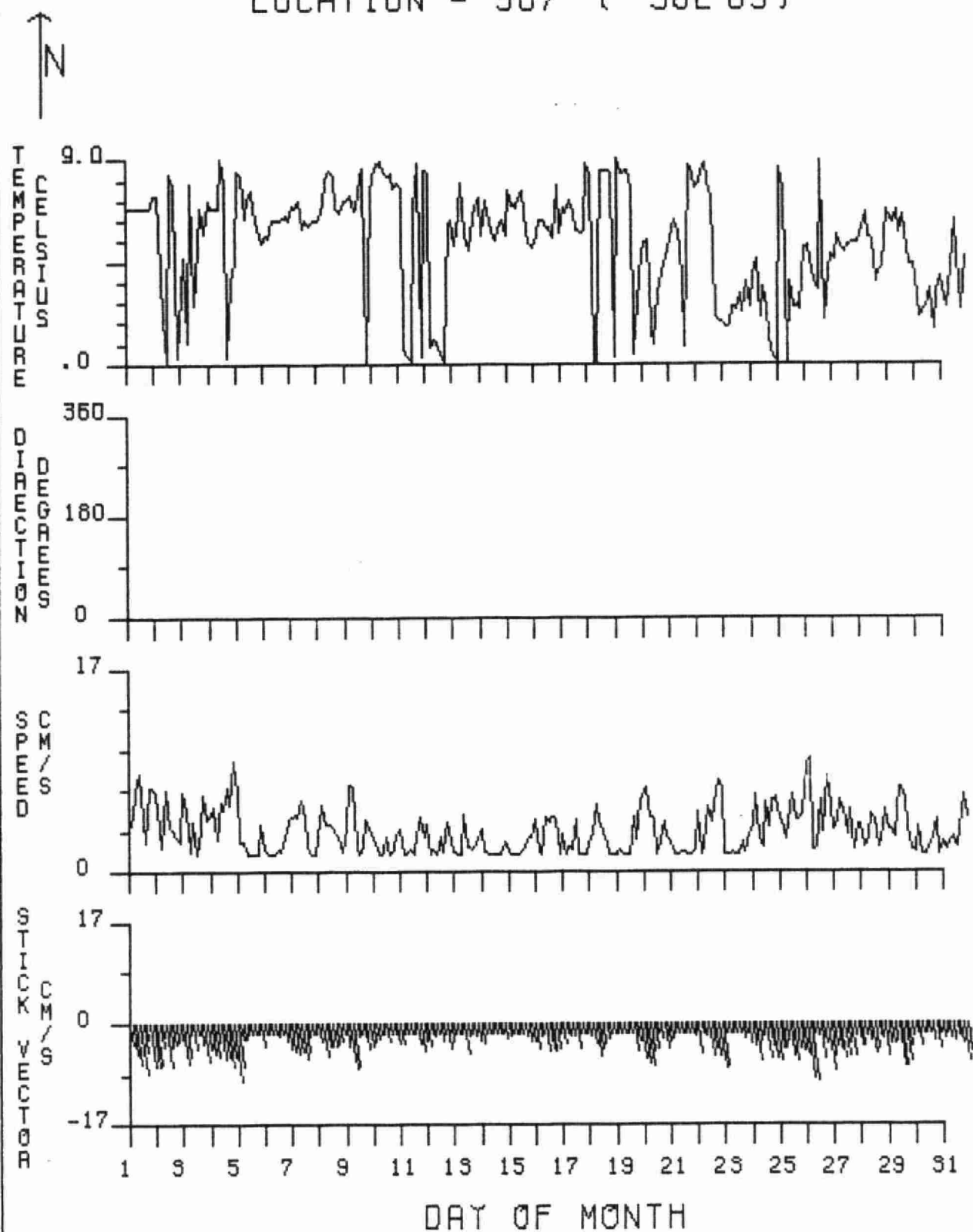


FIG.2.17 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER B L. ONT.

LOCATION - 307 ( AUG 83)

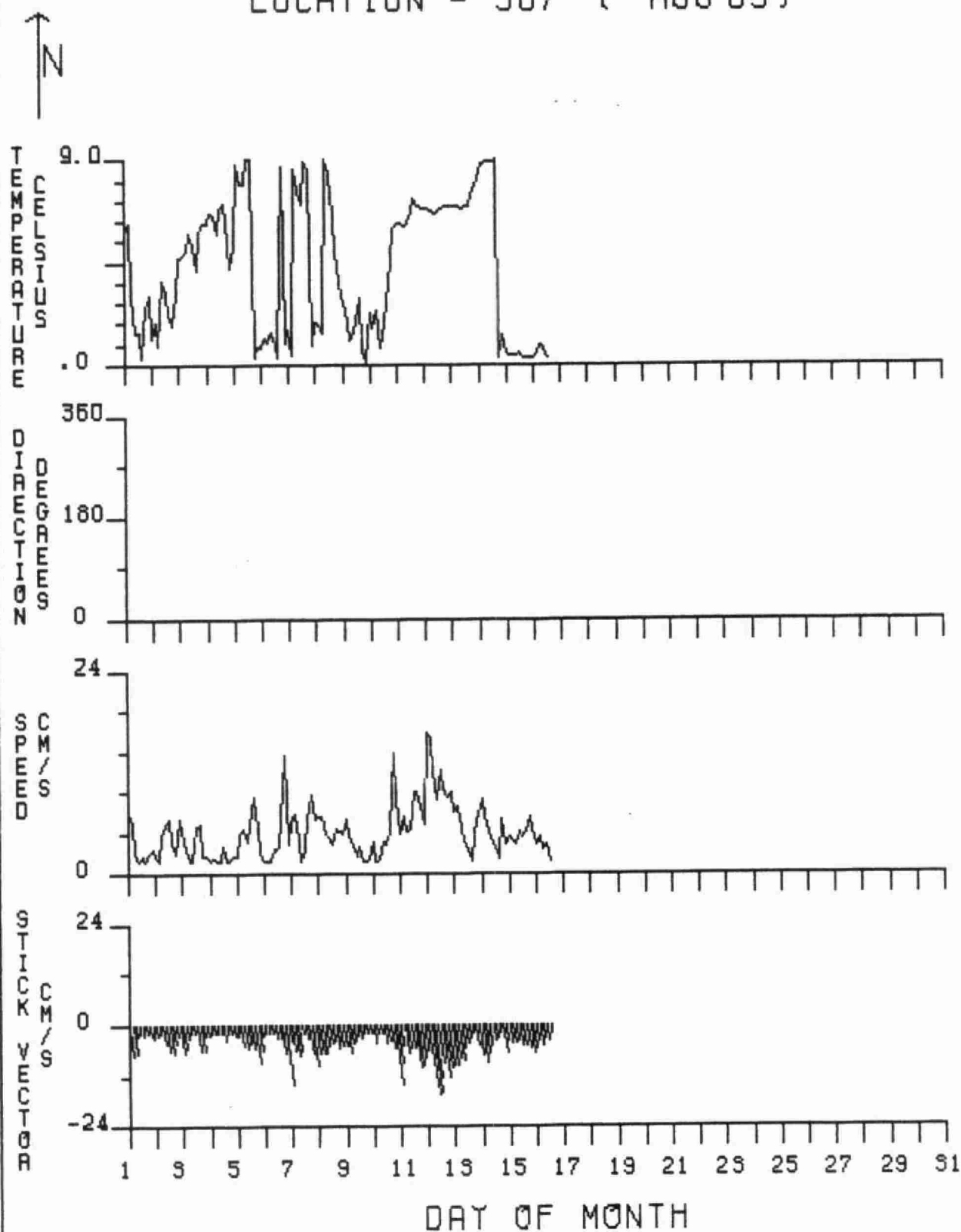


FIG. 2.18. VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 307 ( AUG 83)

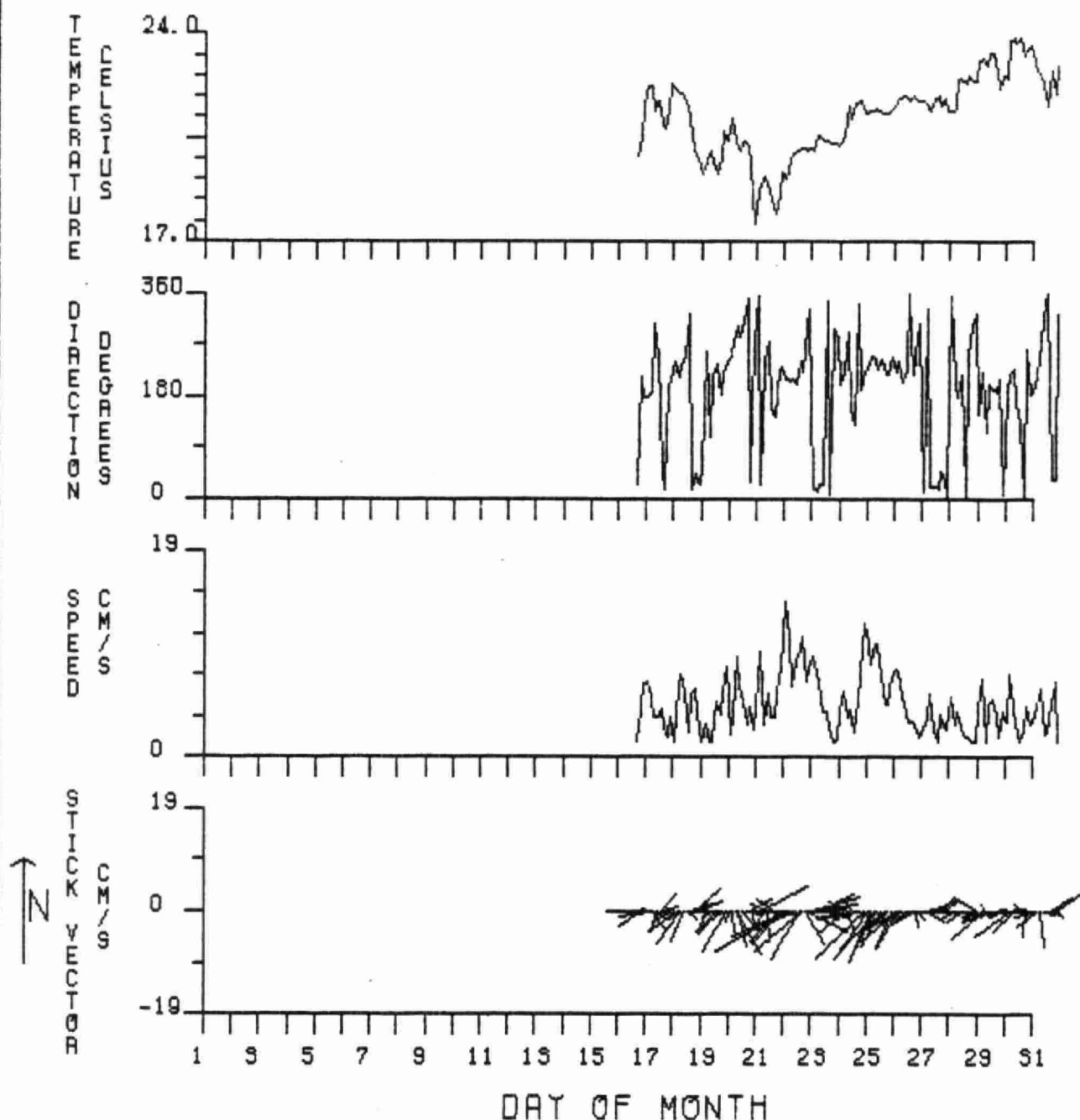


FIG.2.19 . VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUM. BAY-RIVER MOUTH L. ONT

LOCATION - 307 ( SEP 83)

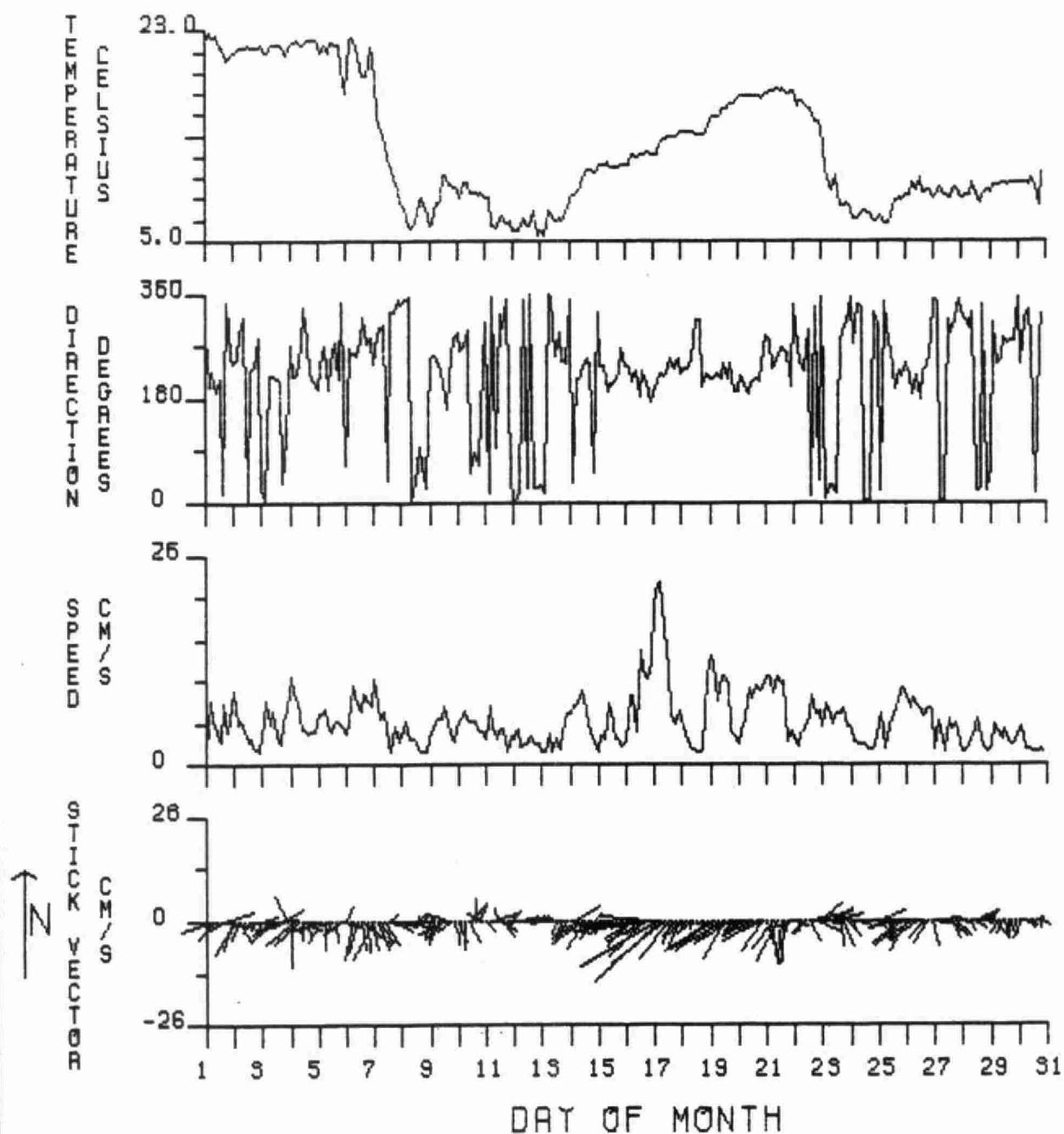


FIG. 2.20. VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUM. BAY-RIVER MOUTH L. ONT

LOCATION - 307 ( OCT 83)

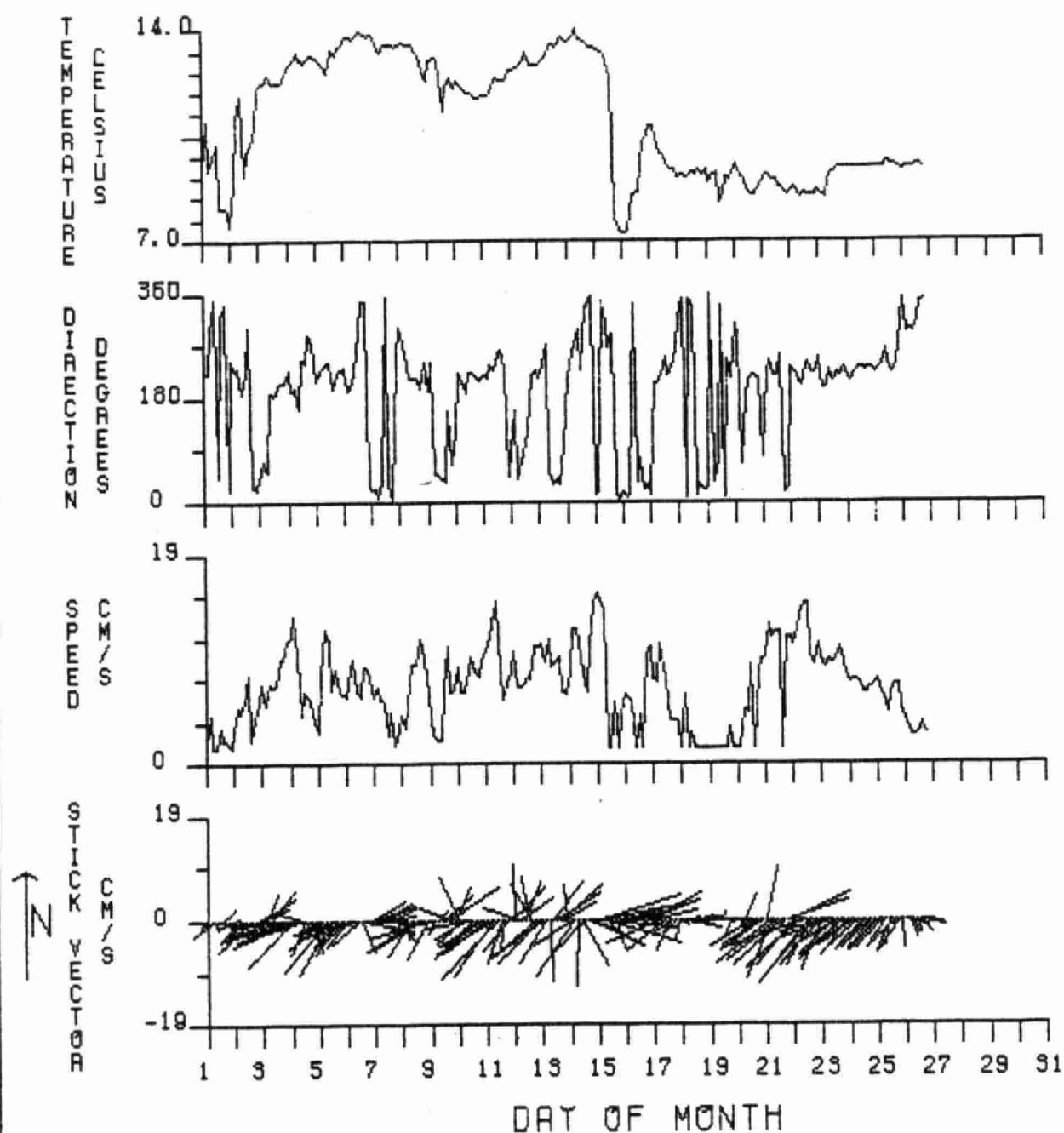


FIG. 2.21 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUM. BAY-RIVER MOUTH L. ONT



LOCATION - 307 ( NOV 83)

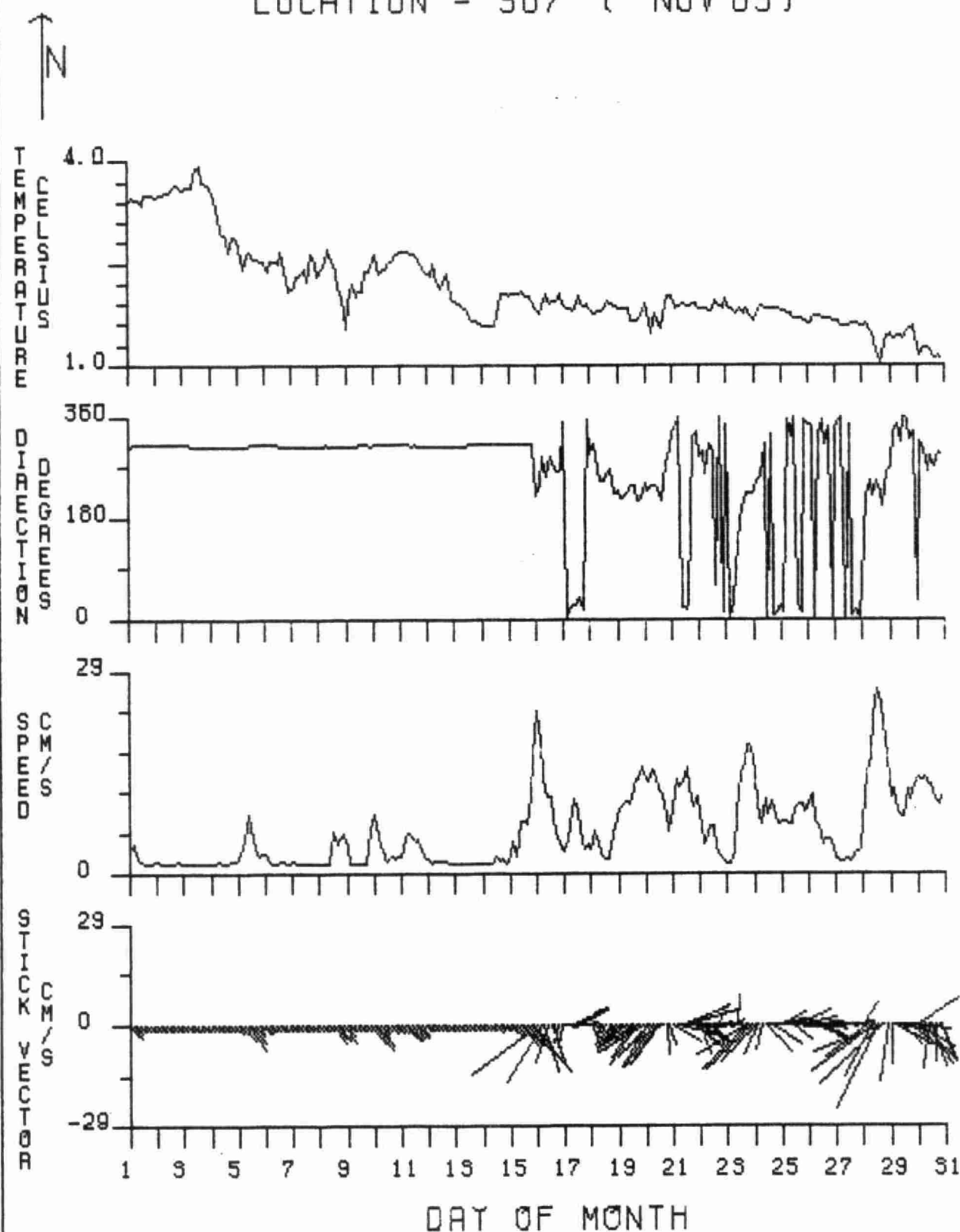


FIG. 2.22. VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER RIVER L. ONT.

LOCATION - 307 ( DEC 83)

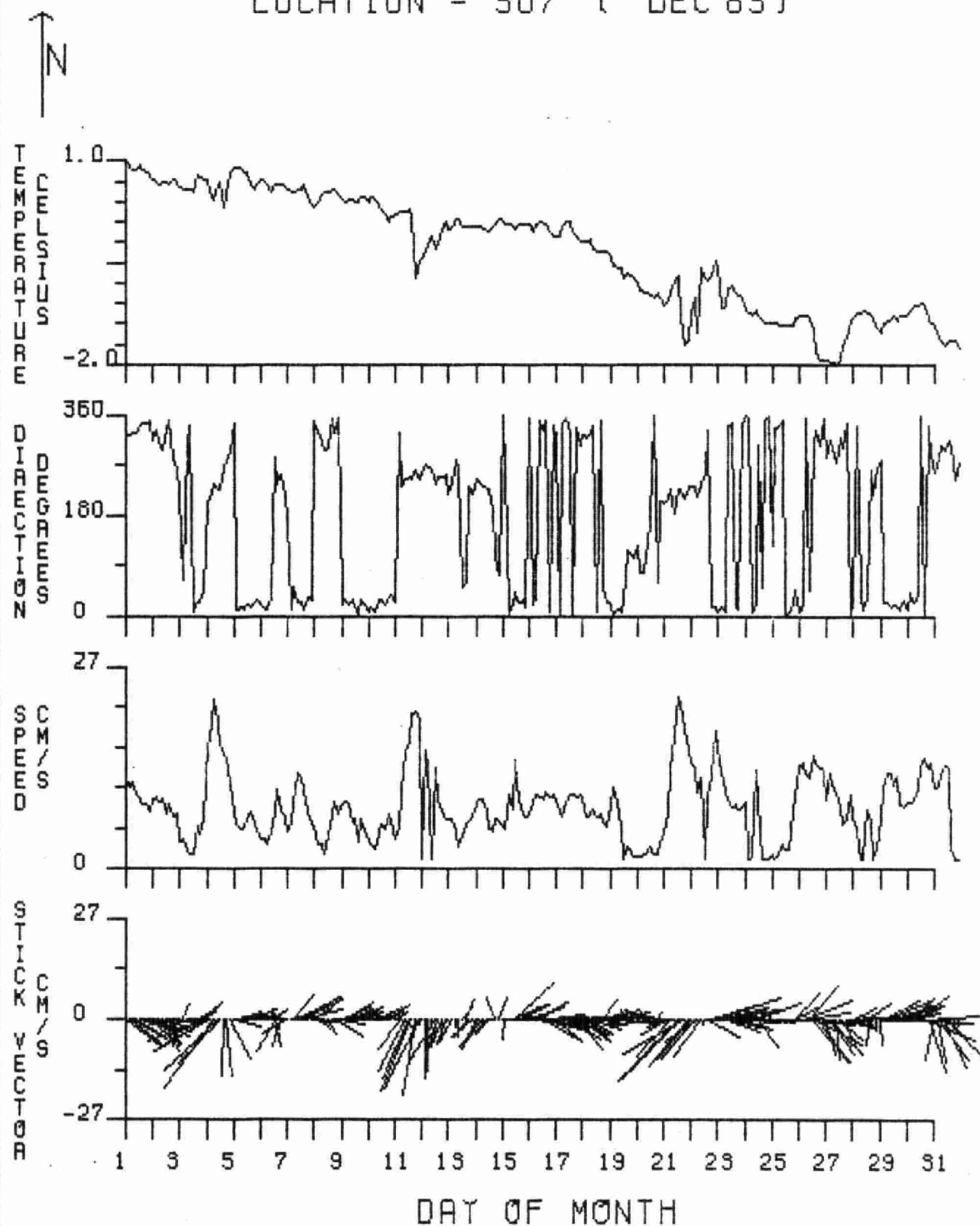


FIG.2.23 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER RIVER L. ONT.

LOCATION - 307 ( JAN 84 )

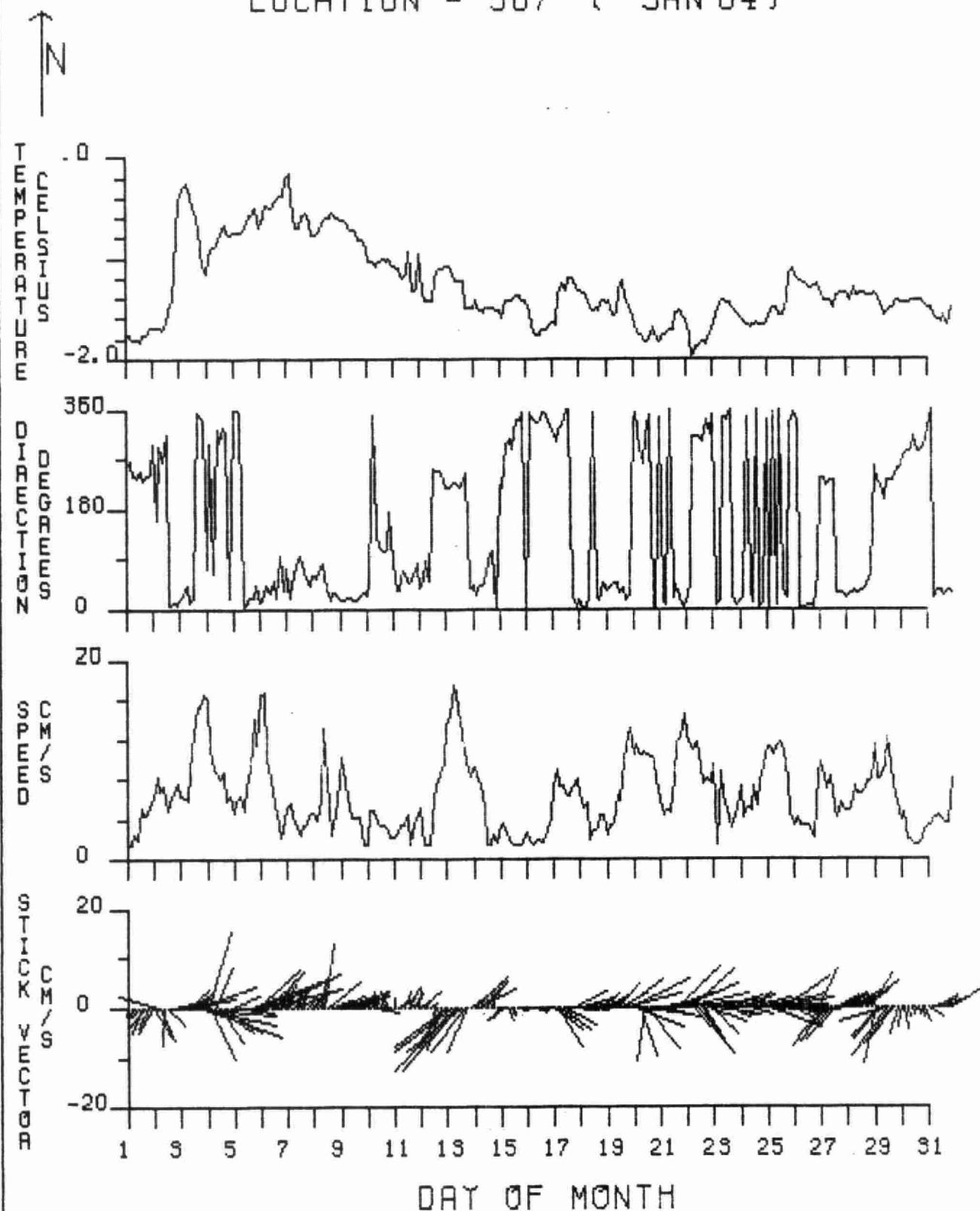


FIG. 2.24 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER RIVER L. ONT.

LOCATION - 307 ( FEB 84)

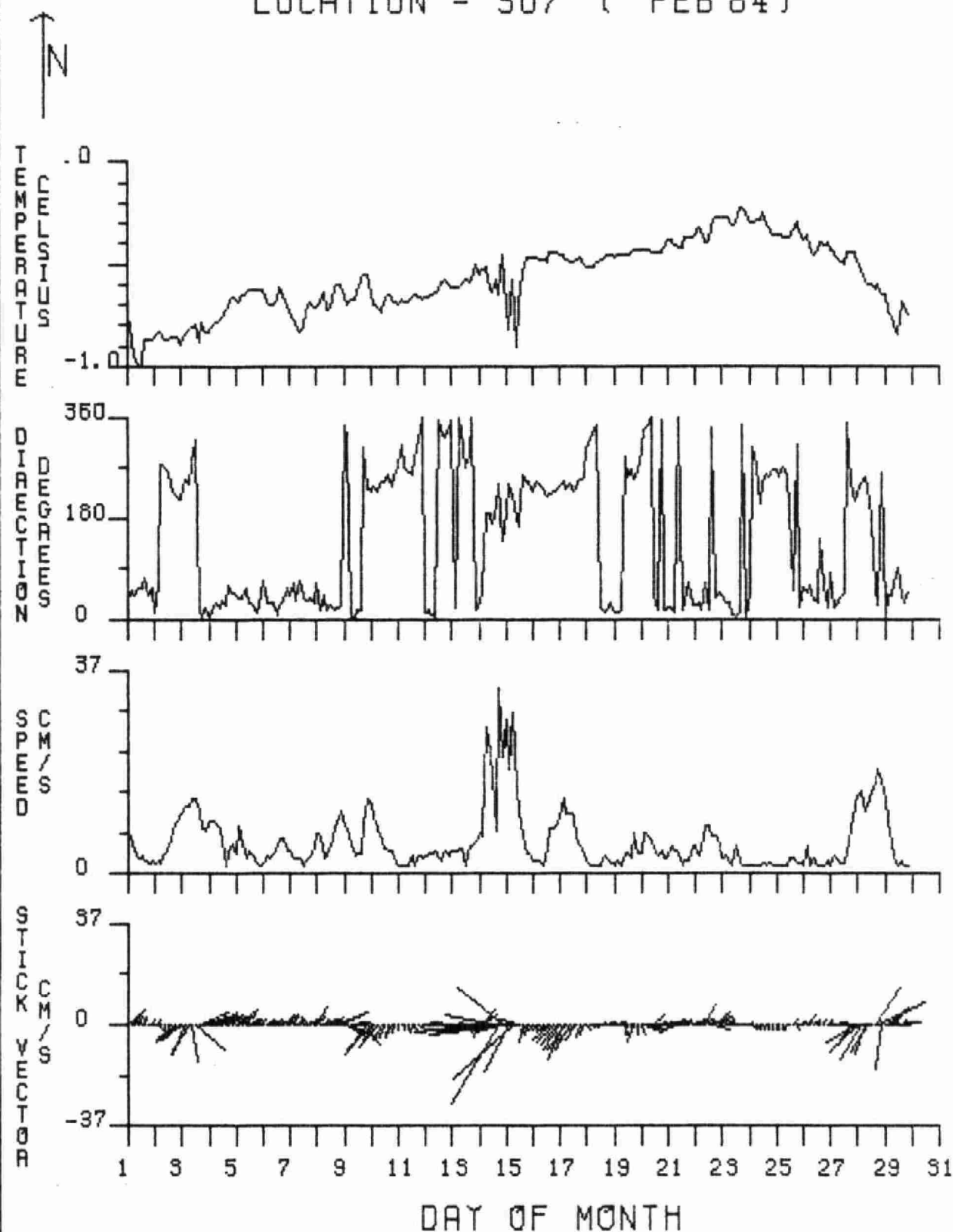


FIG. 2.25 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER RIVER L. ONT.

LOCATION - 307 ( MAR 84 )

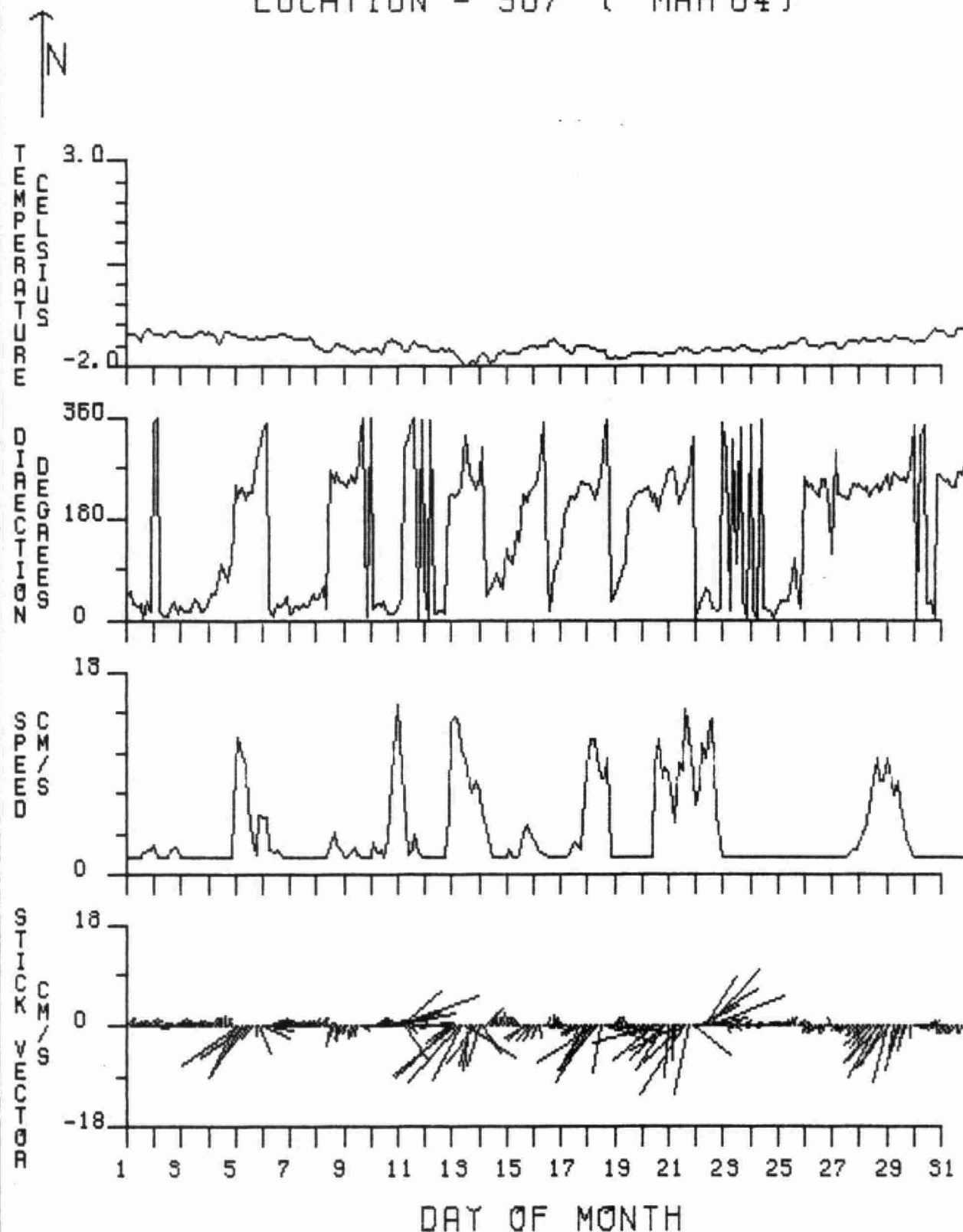


FIG. 2.26 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER RIVER L. ONT.

LOCATION - 307 ( APR 84 )

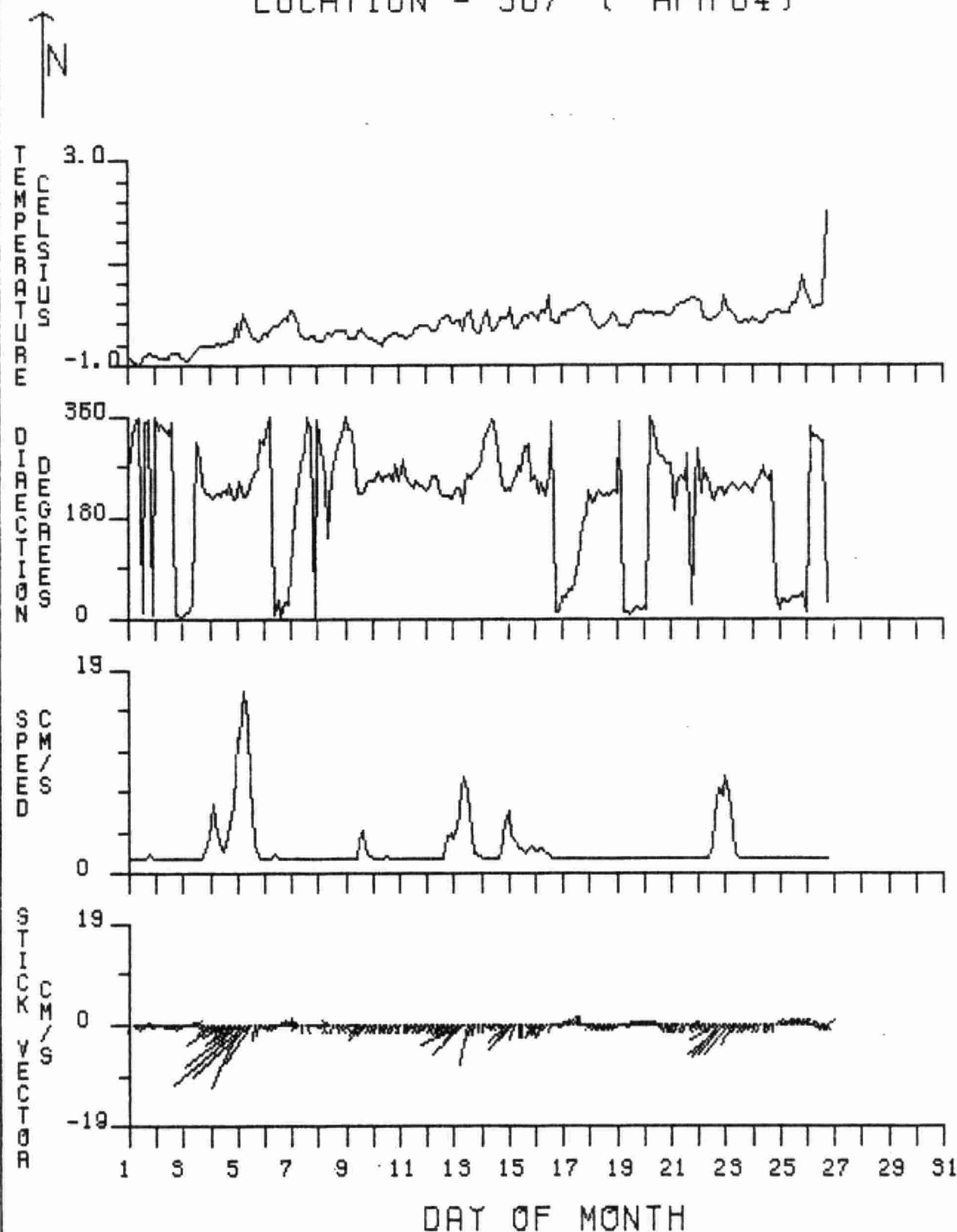


FIG. 2.27 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER RIVER L. ONT.

# LOCATION - 30

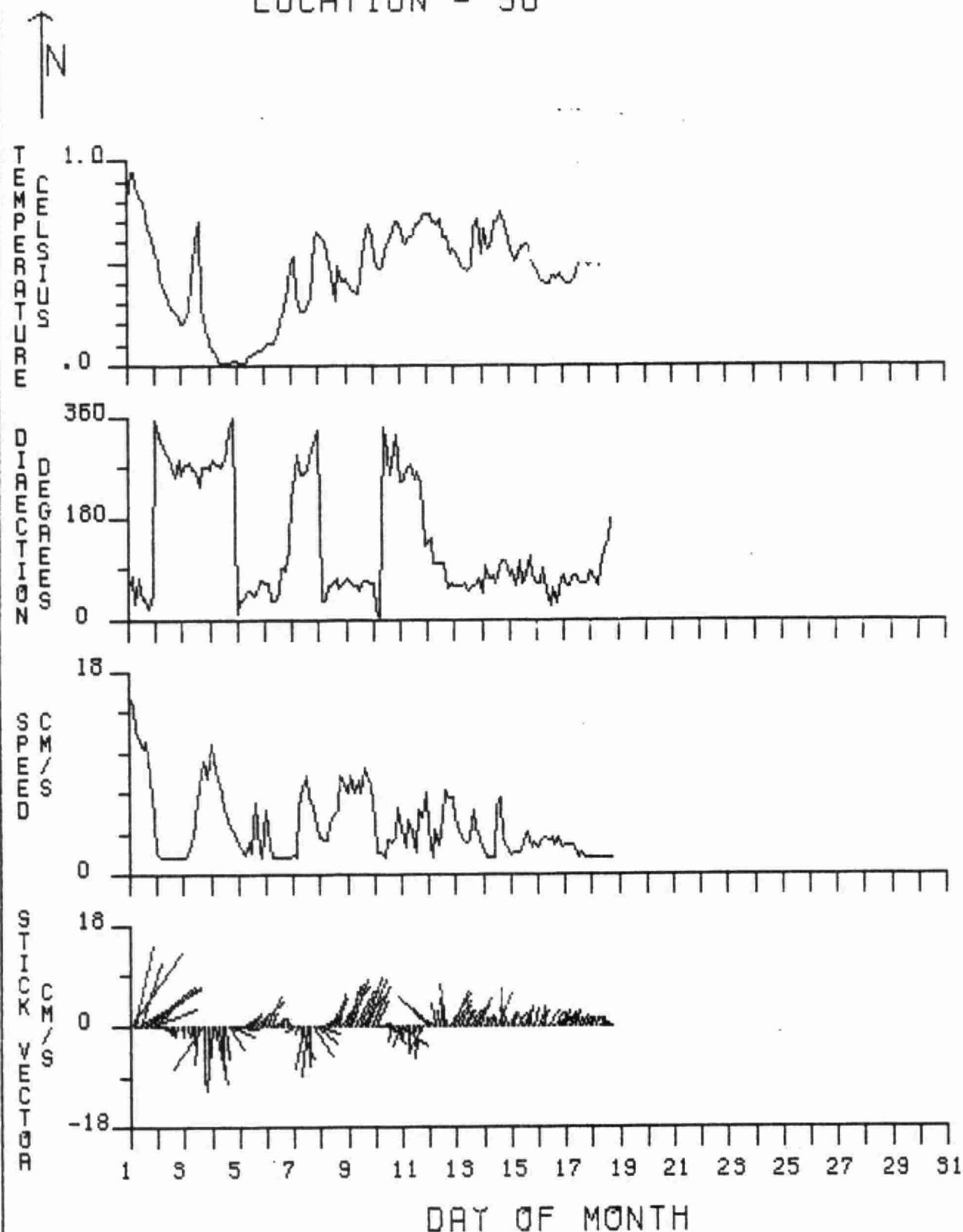


FIG. 2.28 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( JUL 83)

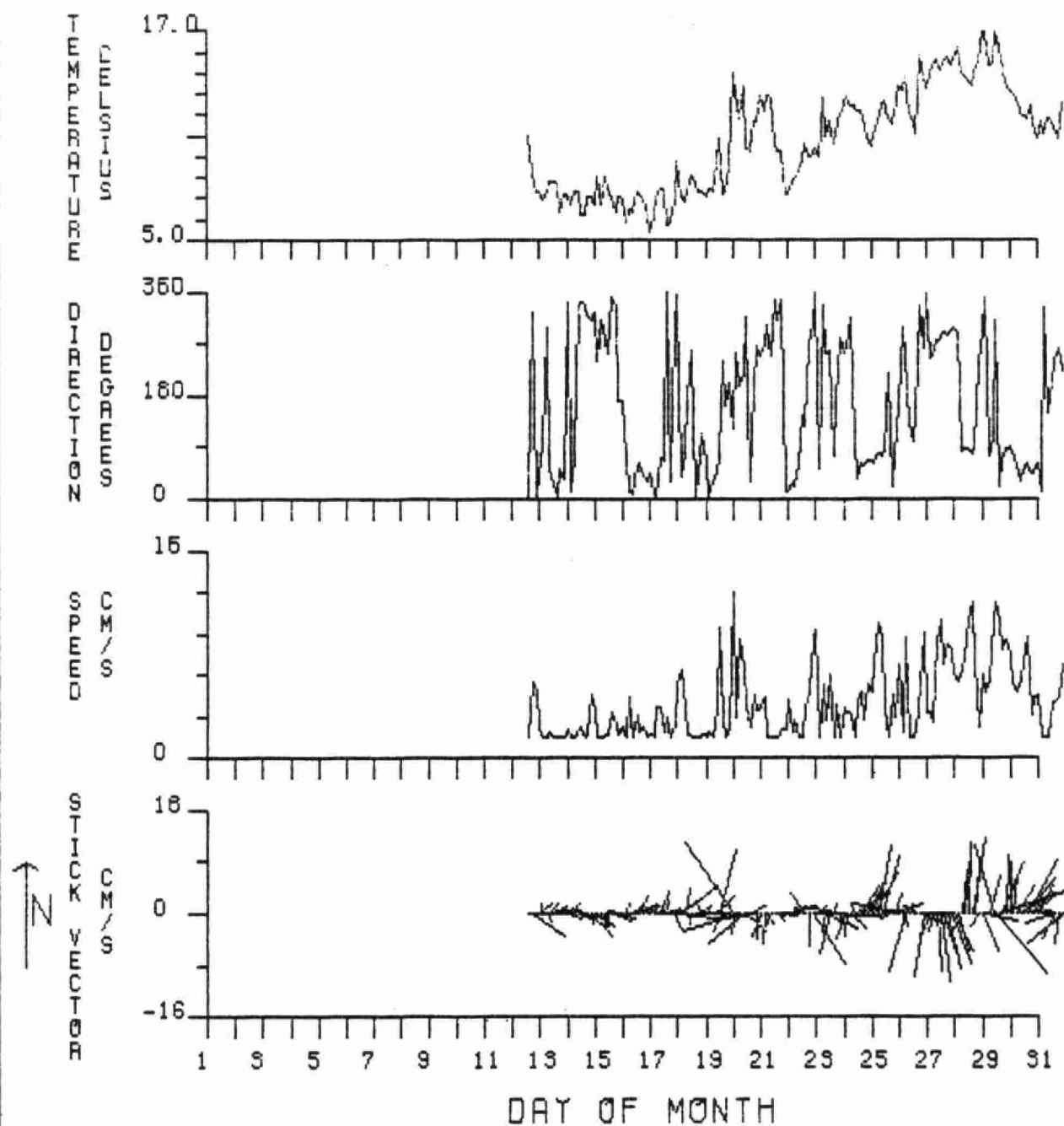


FIG. 2.29 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-MIDDLE L.ONT



LOCATION - 308 ( AUG 83)

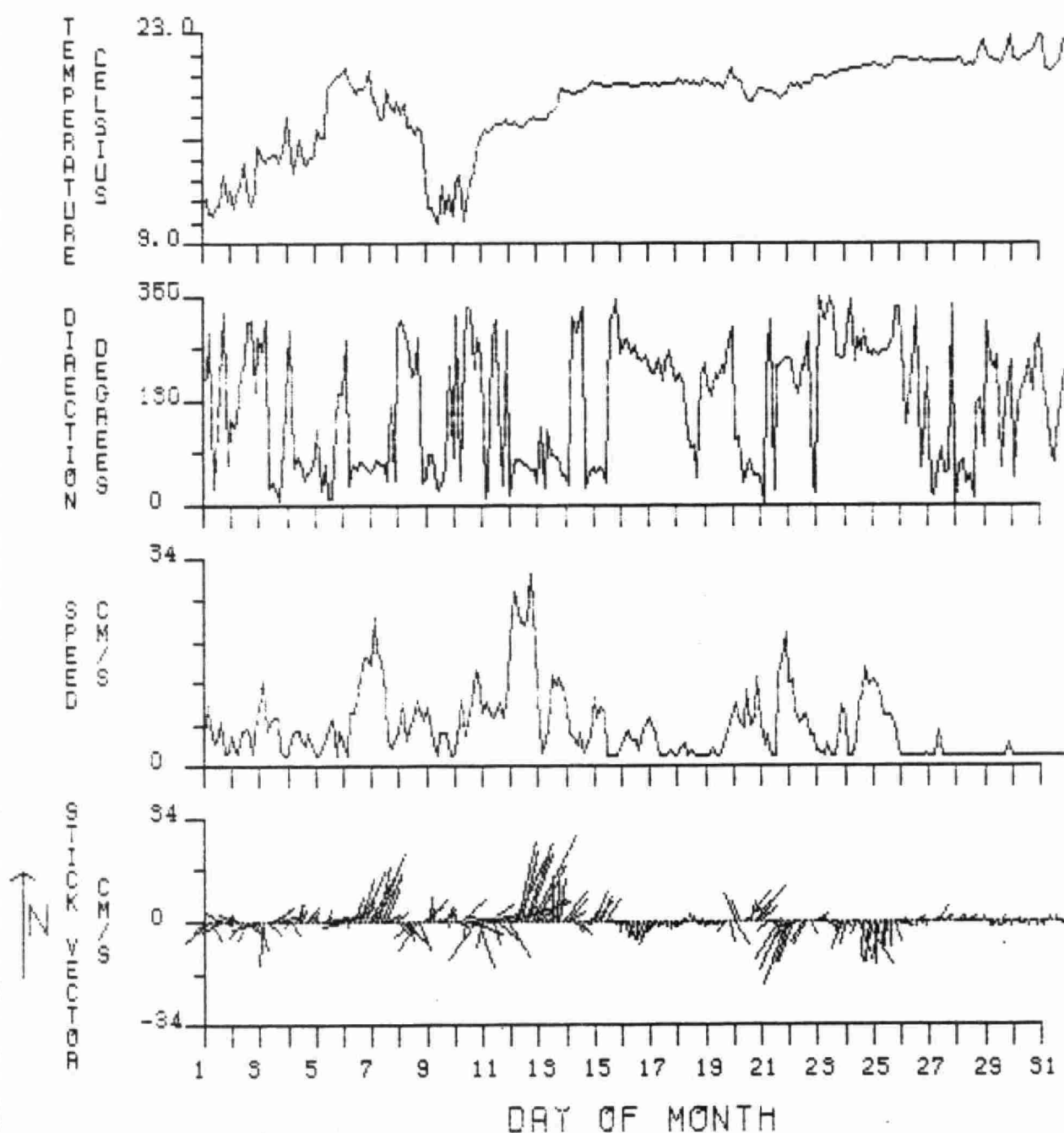


FIG. 2.30 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-MIDDLE L.ONT

LOCATION - 306 ( SEP 83)

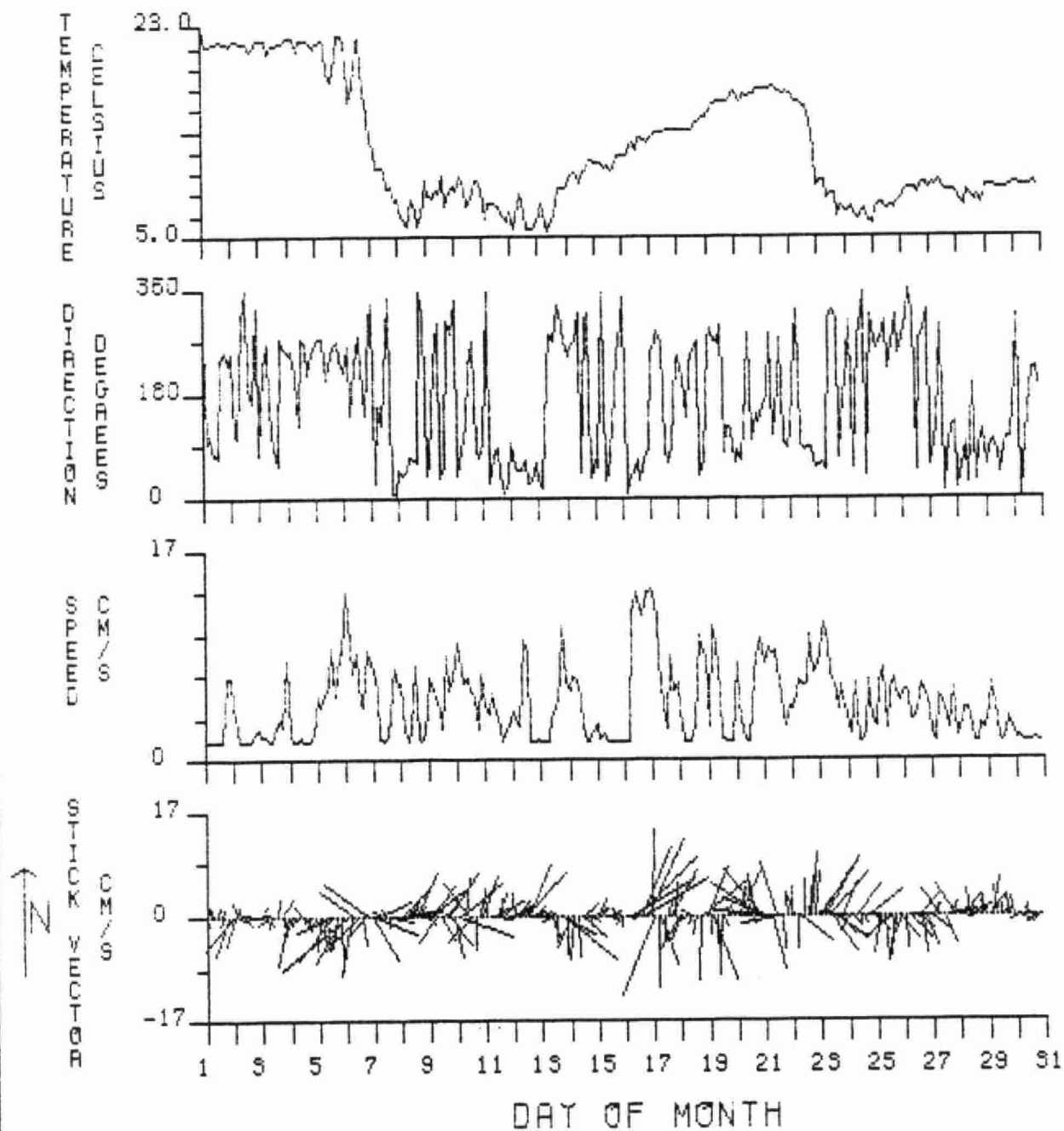


FIG. 2.31 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-MIDDLE L.ONT

LOCATION - 308 ( OCT 83)

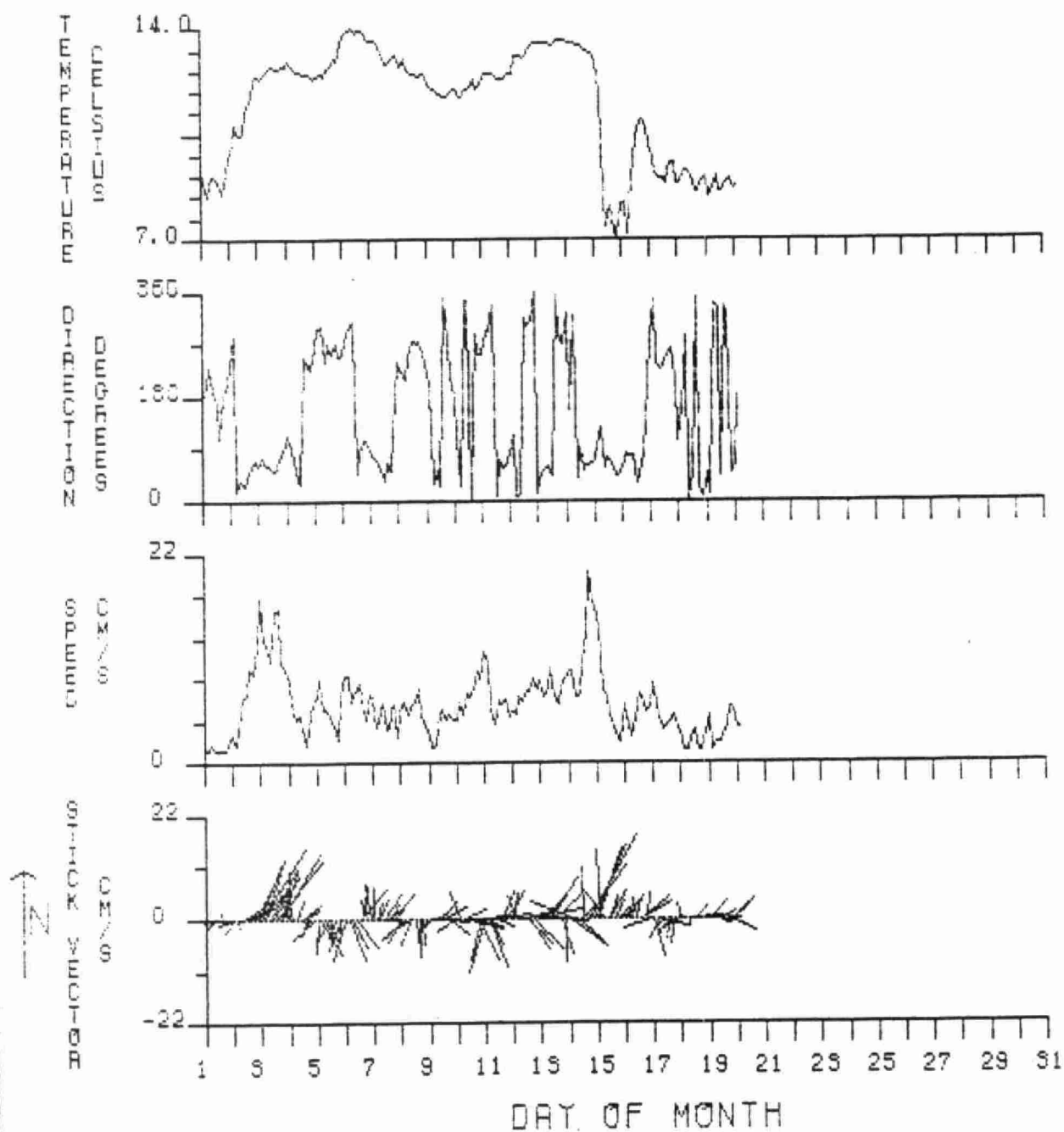


FIG. 2.32 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-MIDDLE L.ONT

LOCATION - 308 ( NOV 83)

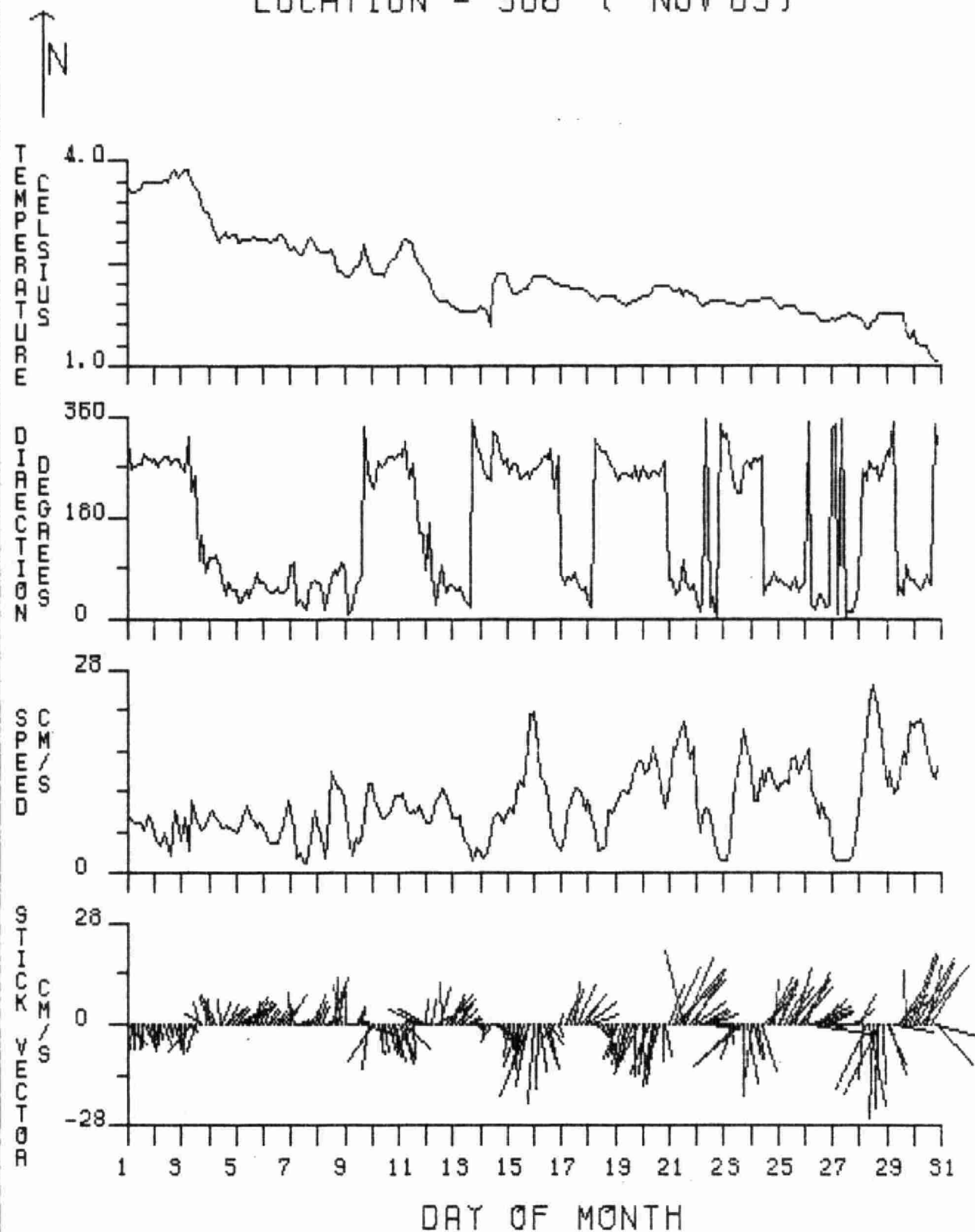


FIG. 2.33 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( DEC 83 )

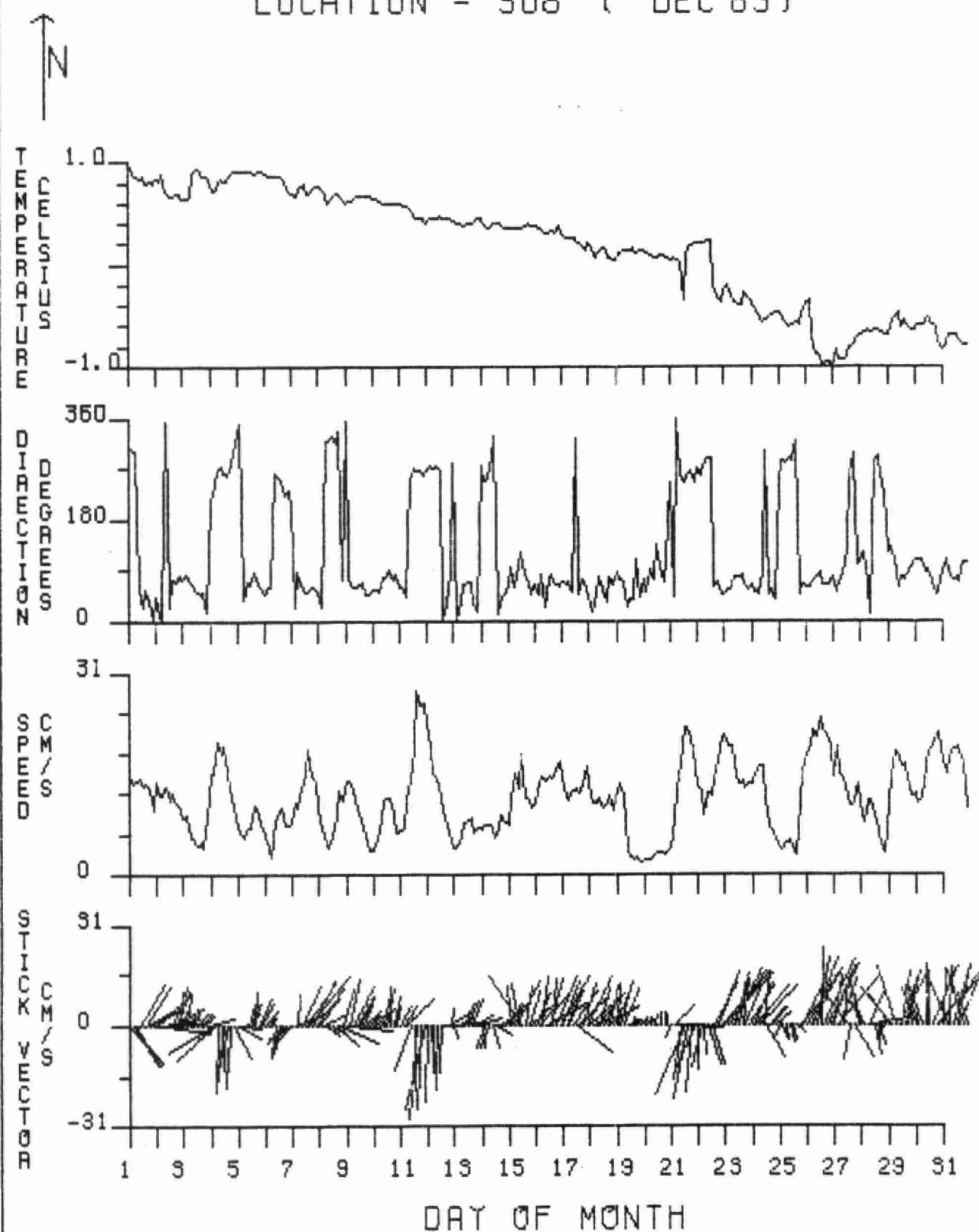


FIG. 2.34 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( JAN 84)

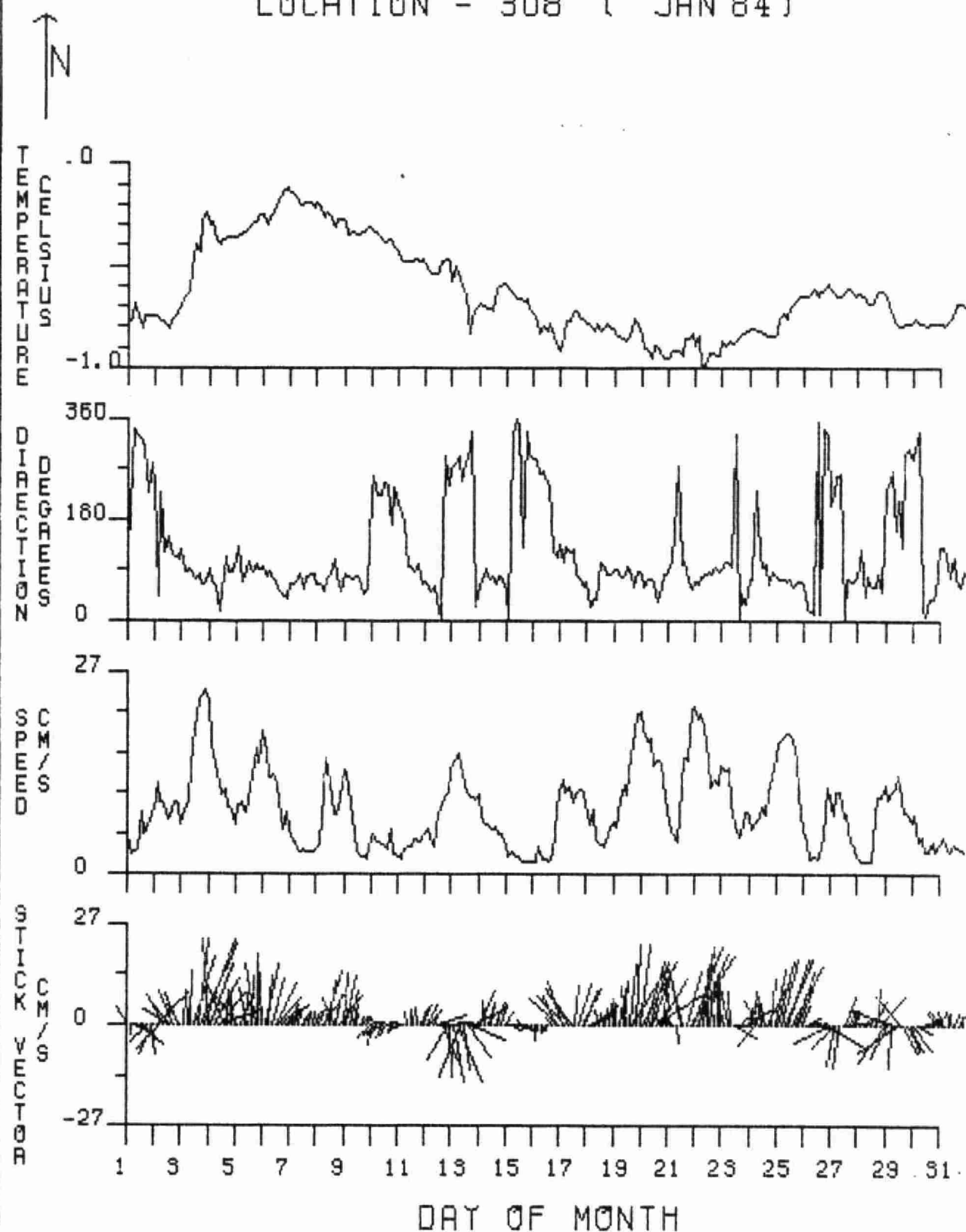


FIG. 2.35 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( FEB 84 )

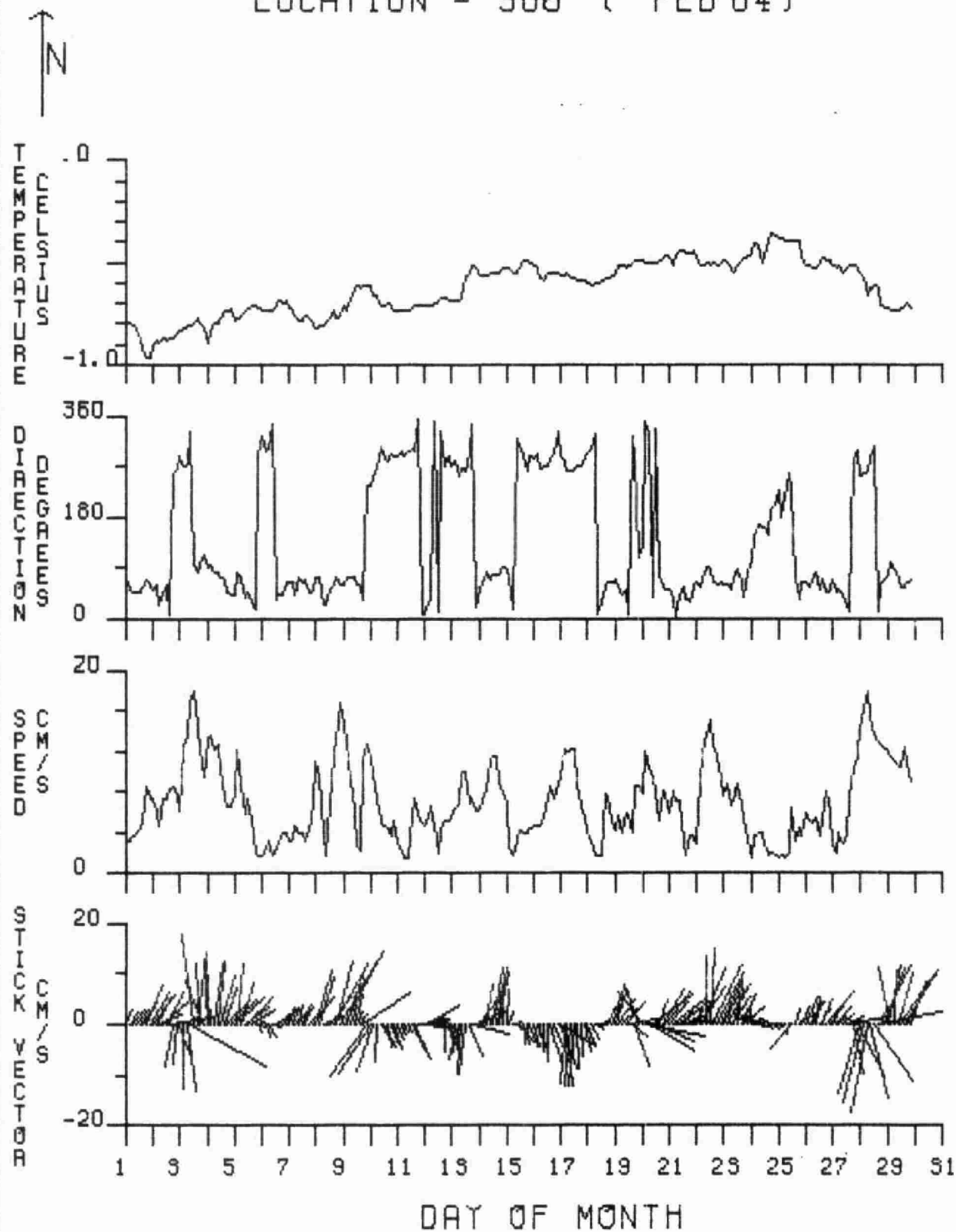


FIG. 2.36 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( MAR 84 )

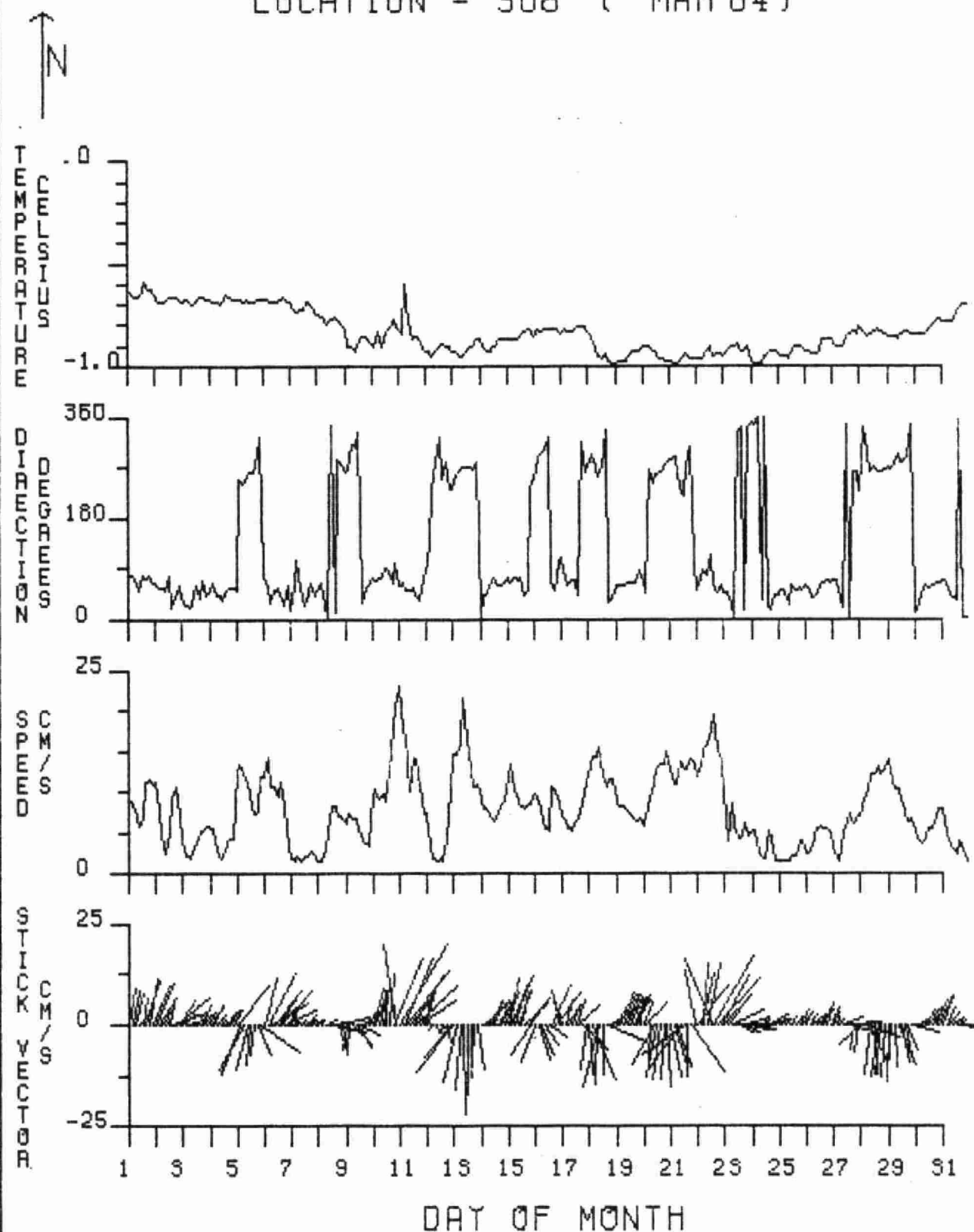


FIG. 2.37 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY CENTER L. ONT.



LOCATION - 308 ( APR 84 )

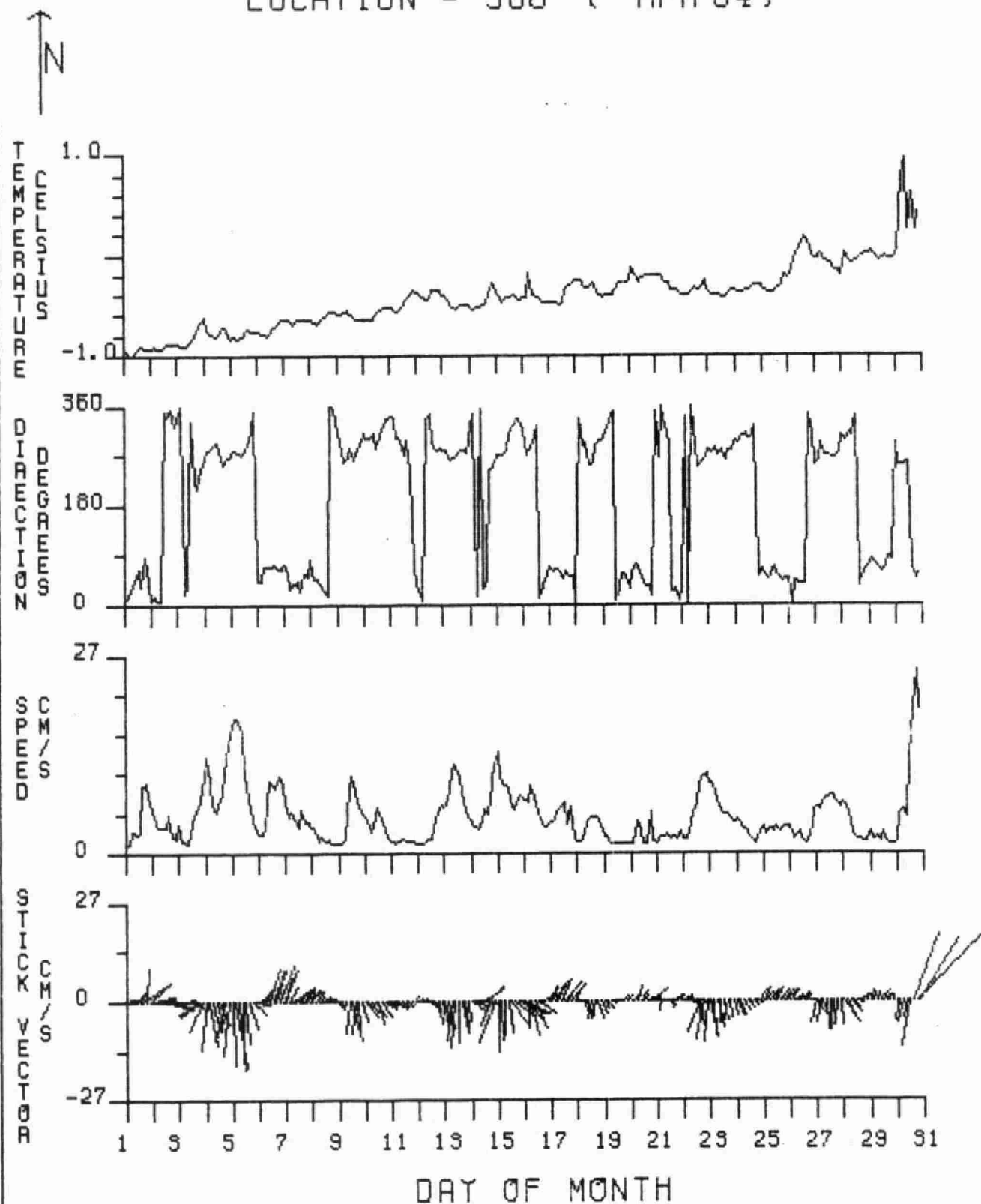


FIG. 2.38 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY CENTER L. ONT.

LOCATION - 309 ( JUL 83)

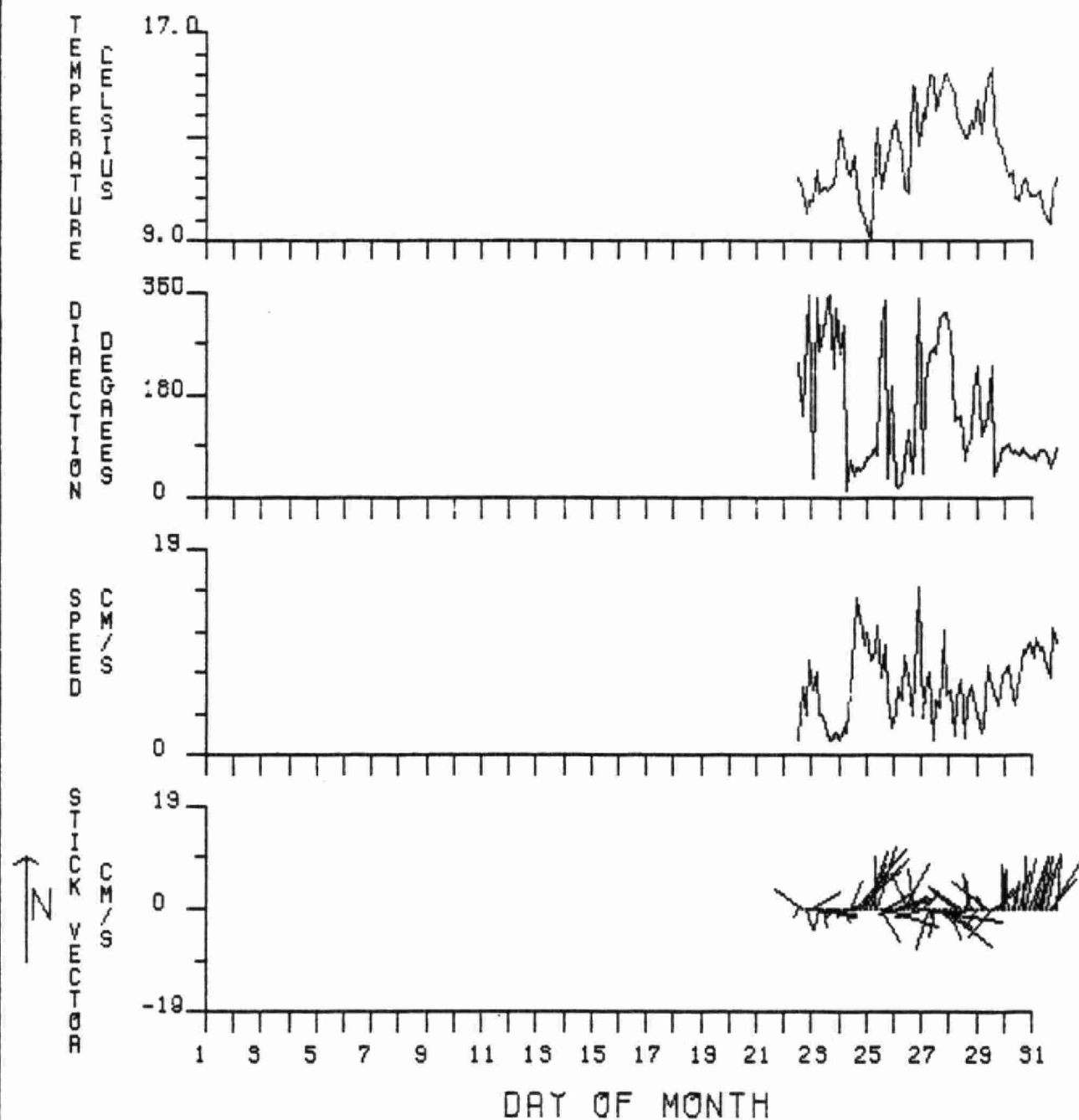


FIG. 2.39 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( AUG 83)

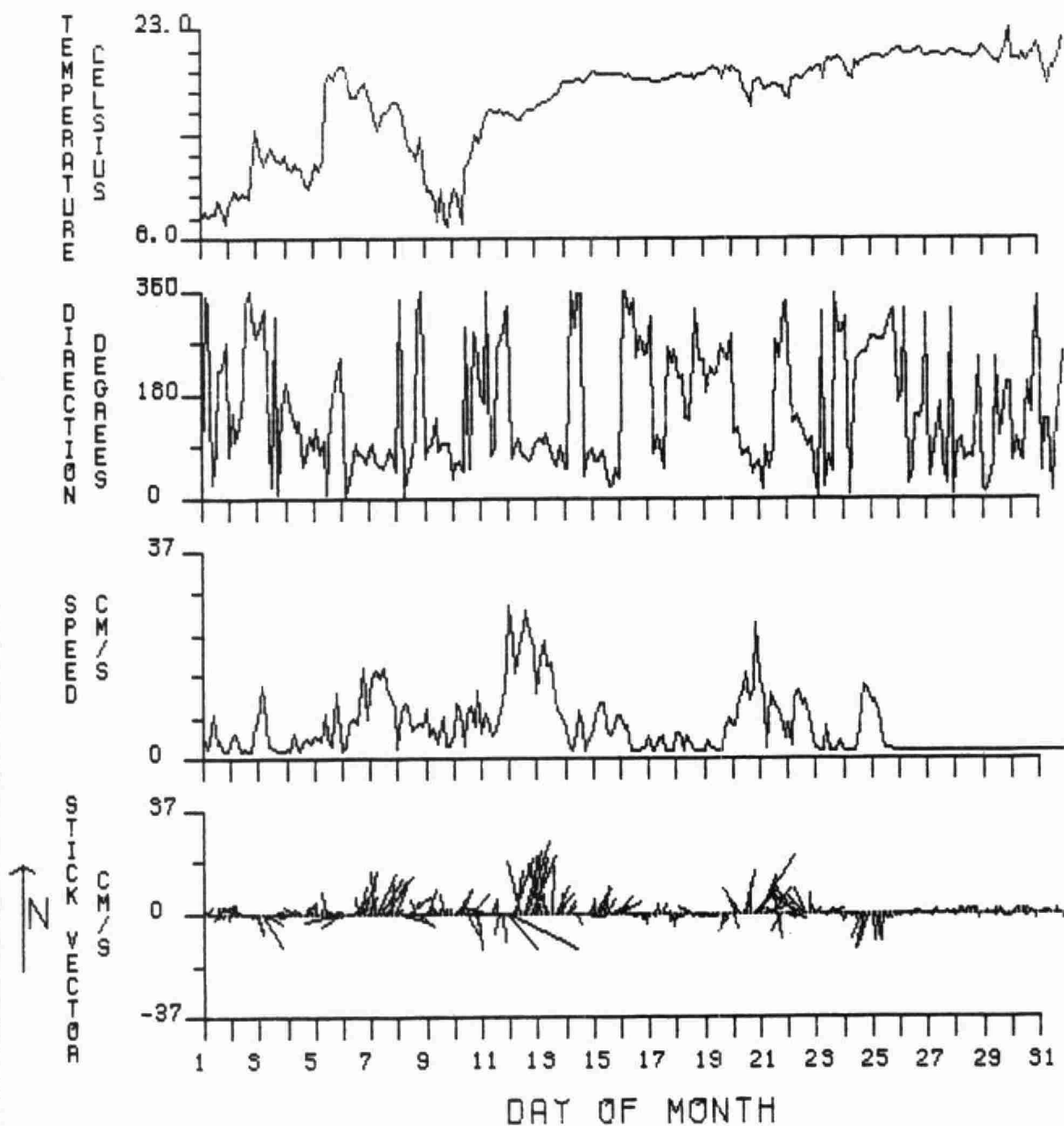


FIG. 2.40 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( SEP 83)

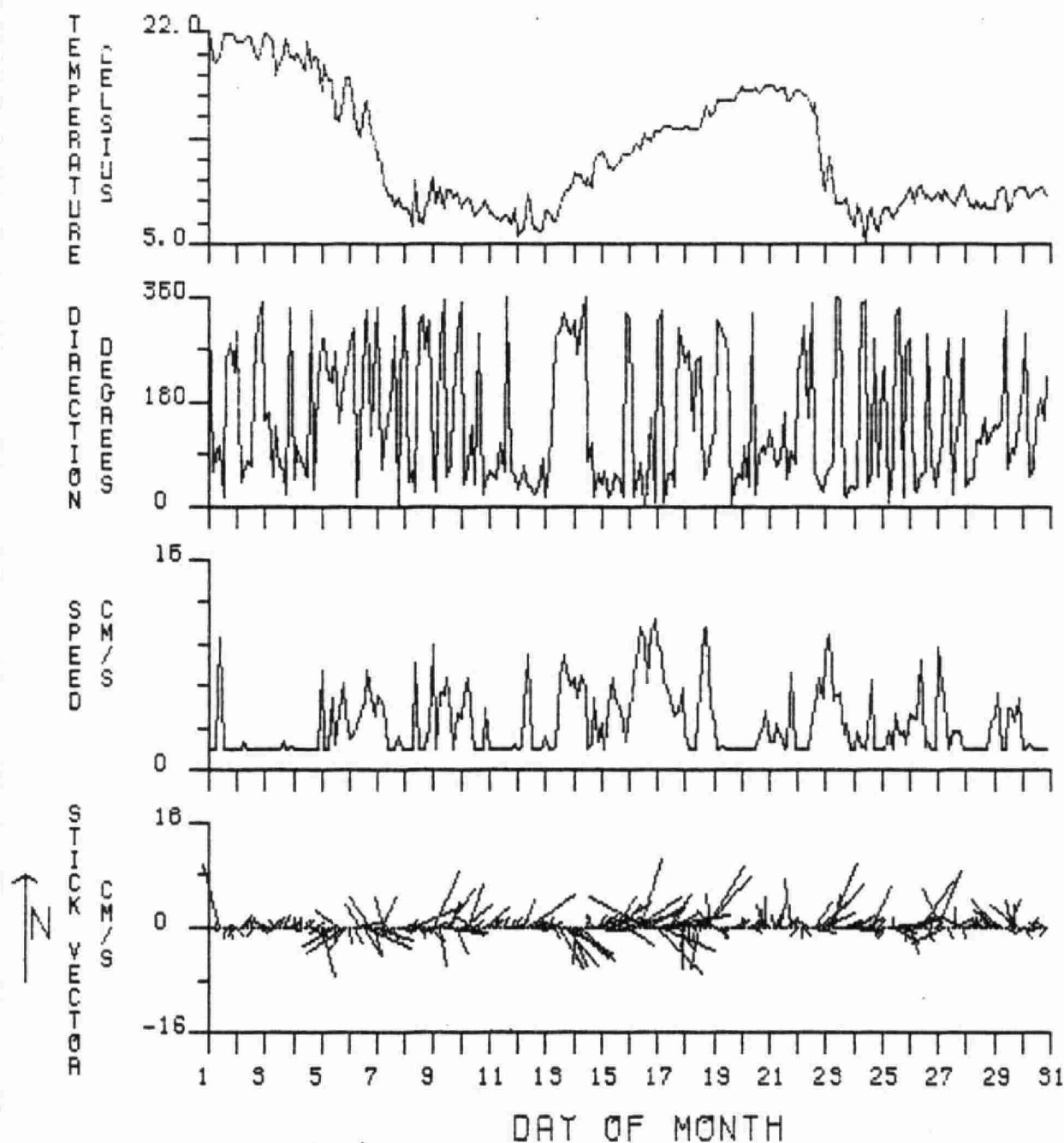


FIG. 2.41 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-OFFSHORE L.ONT

LOCATION - 309 ( OCT 83)

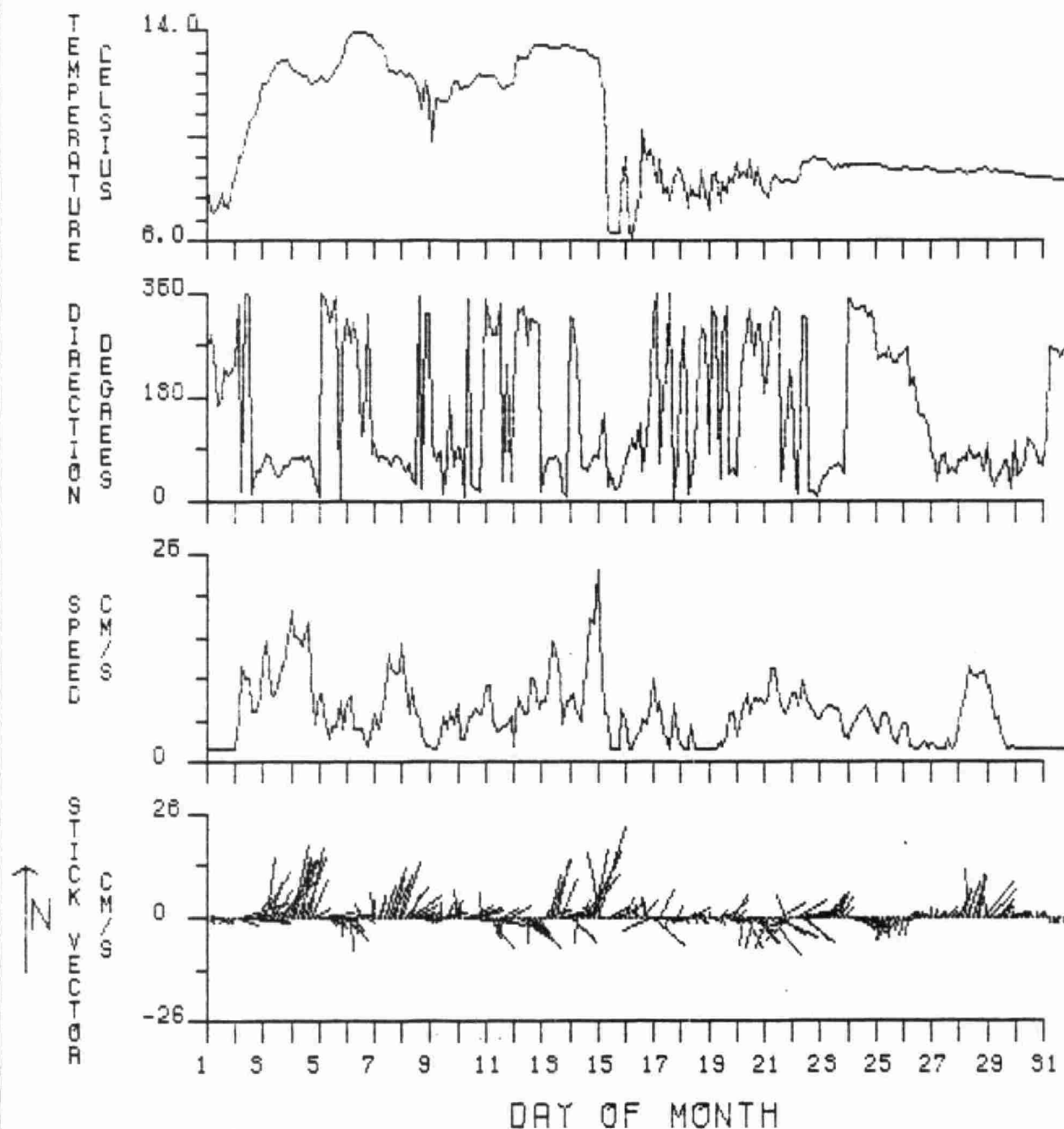


FIG. 2.42 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-OFFSHORE L.ONT

LOCATION - 309 ( NOV 83)

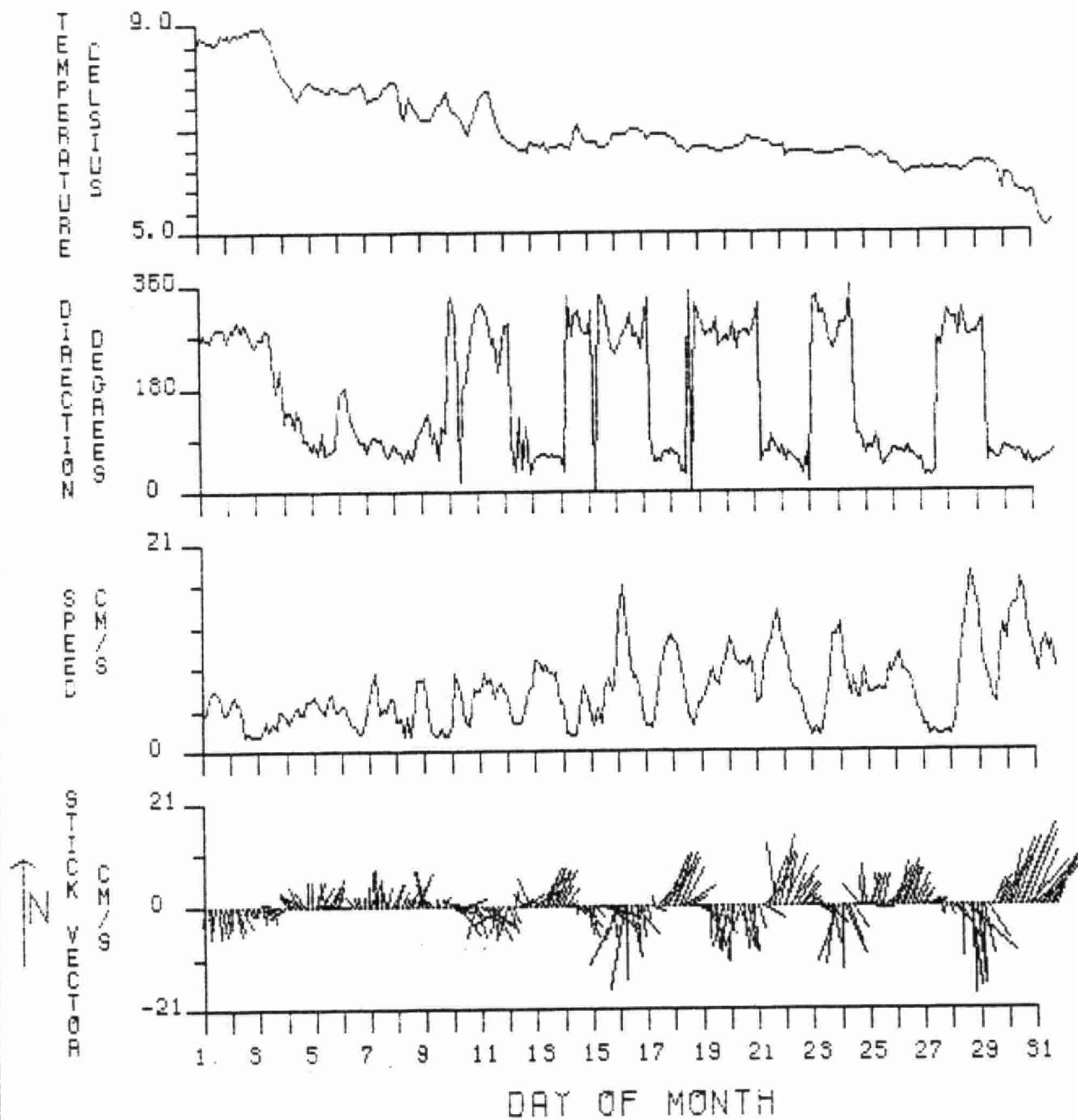


FIG. 2.43 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( DEC 83 )

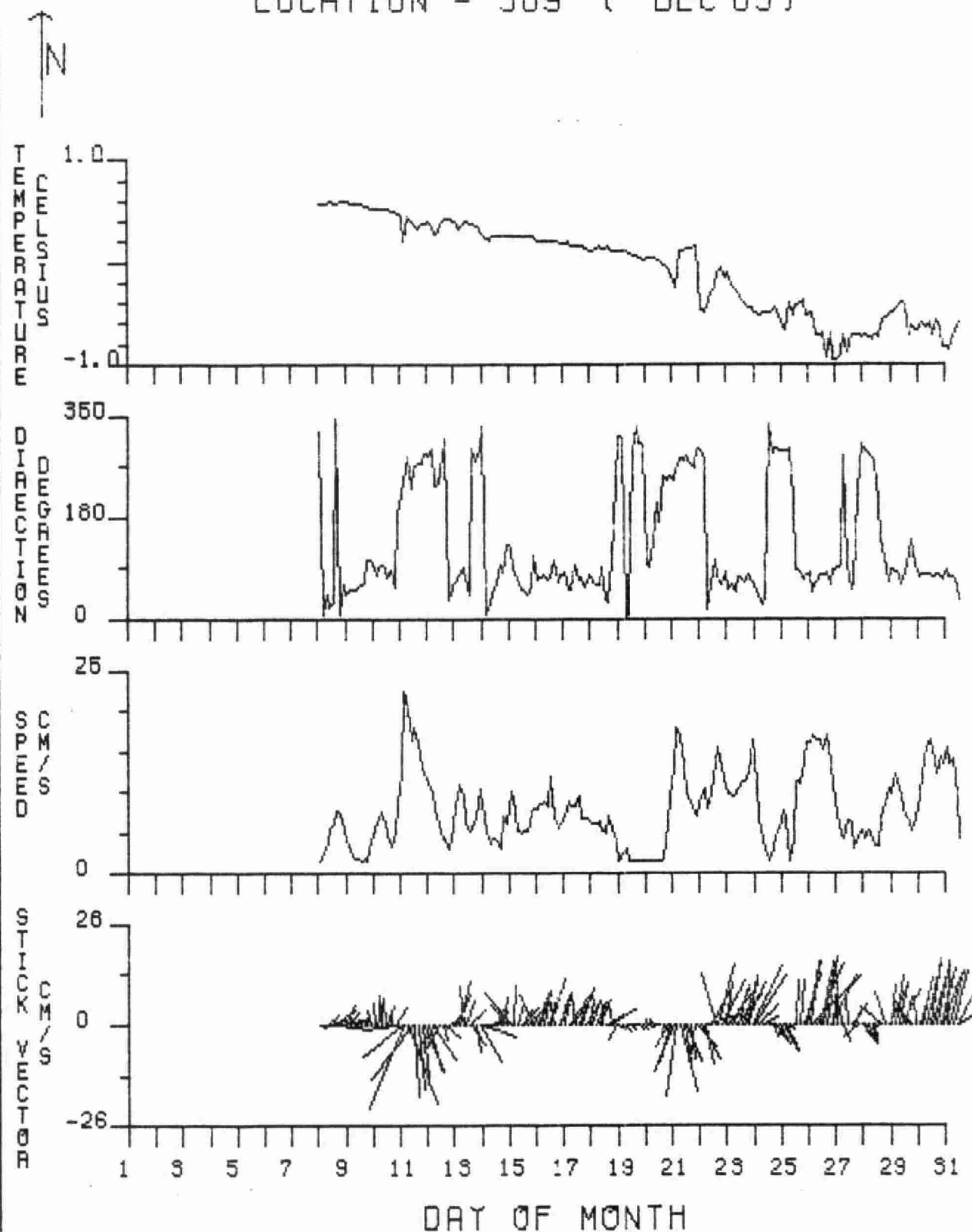


FIG. 2.44 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( JAN 84)

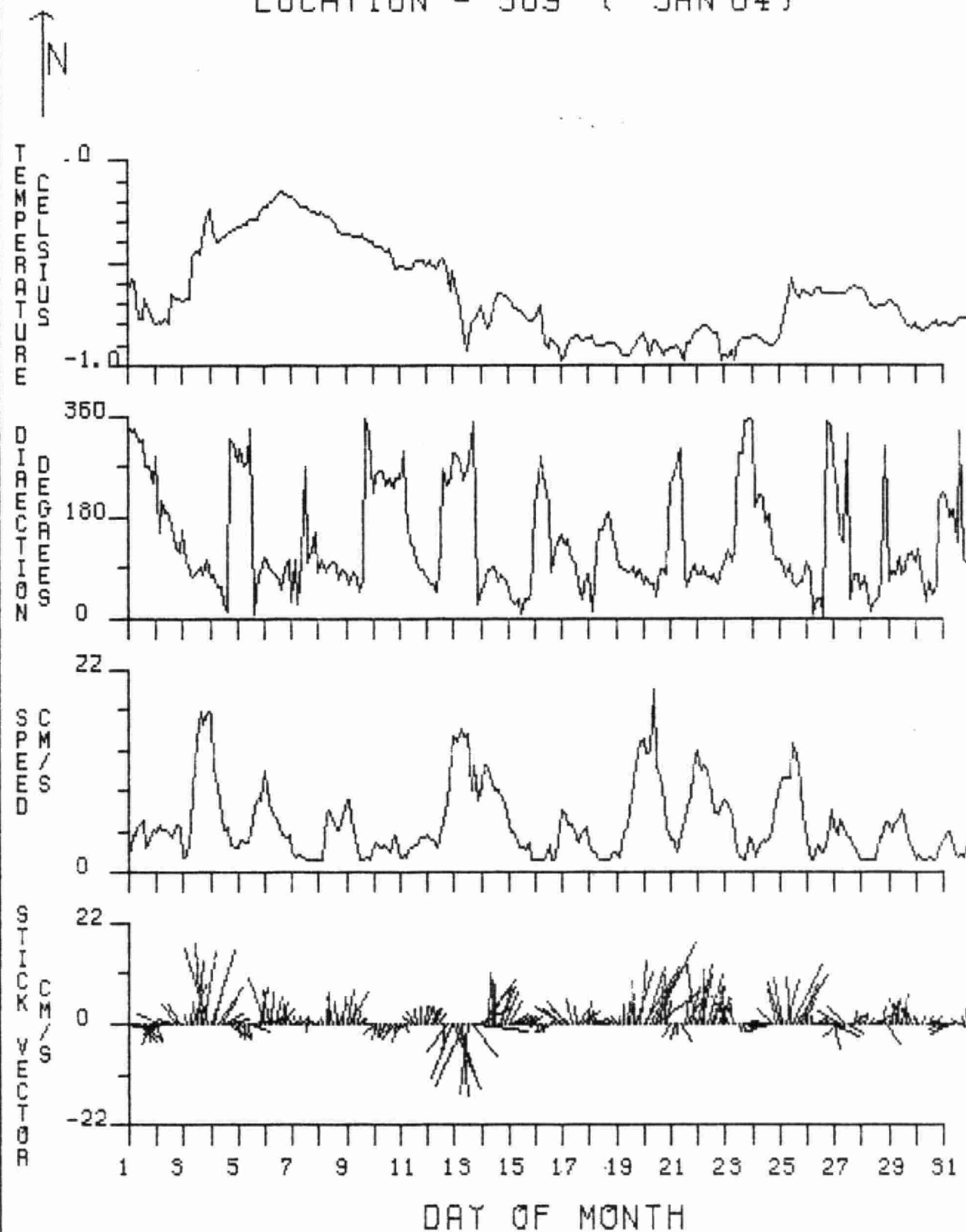


FIG. 2.45 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY OFFSHORE L. ONT.



LOCATION - 309 ( FEB 84)

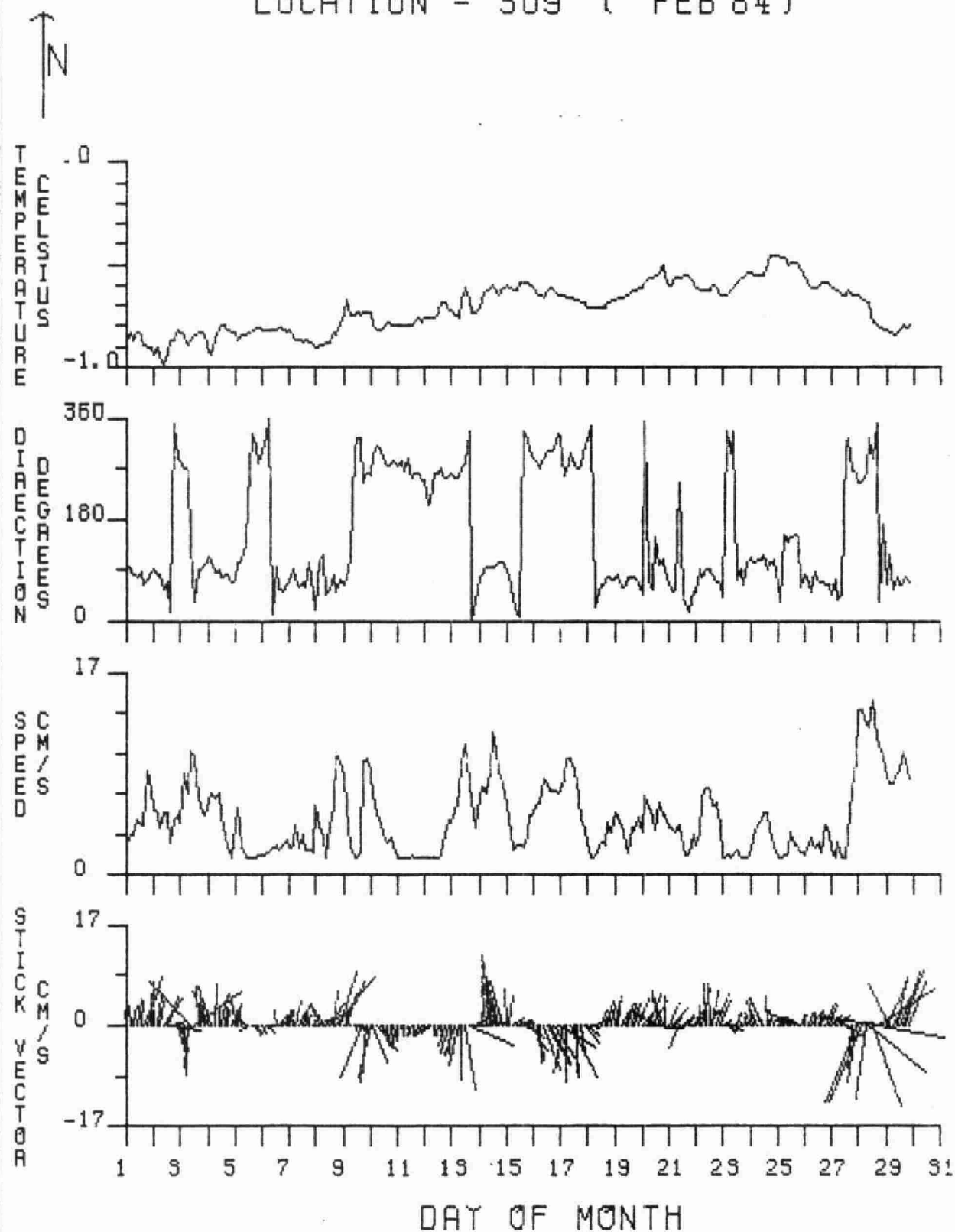


FIG. 2.46 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( MAR 84 )

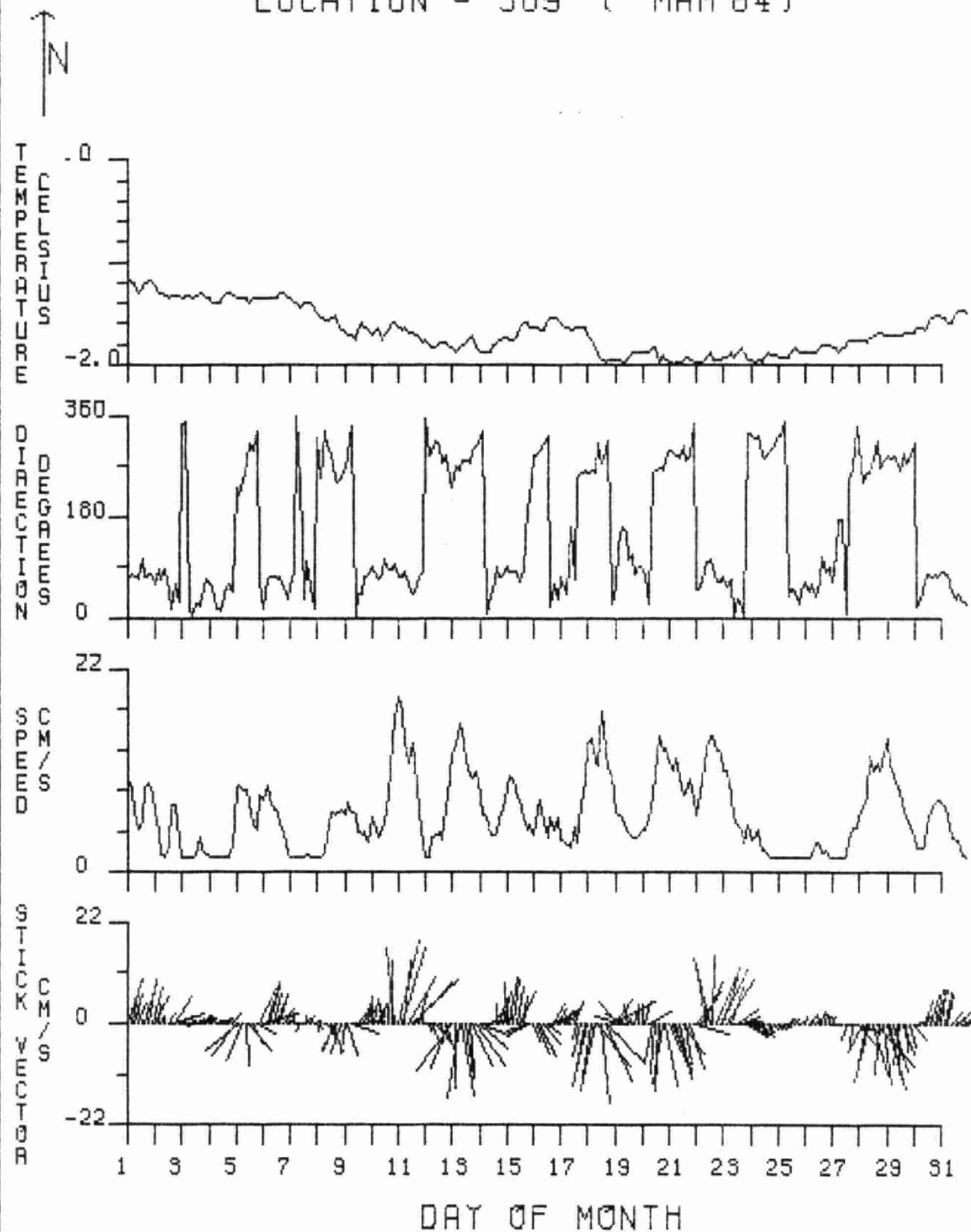


FIG. 2.47 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( APR 84 )

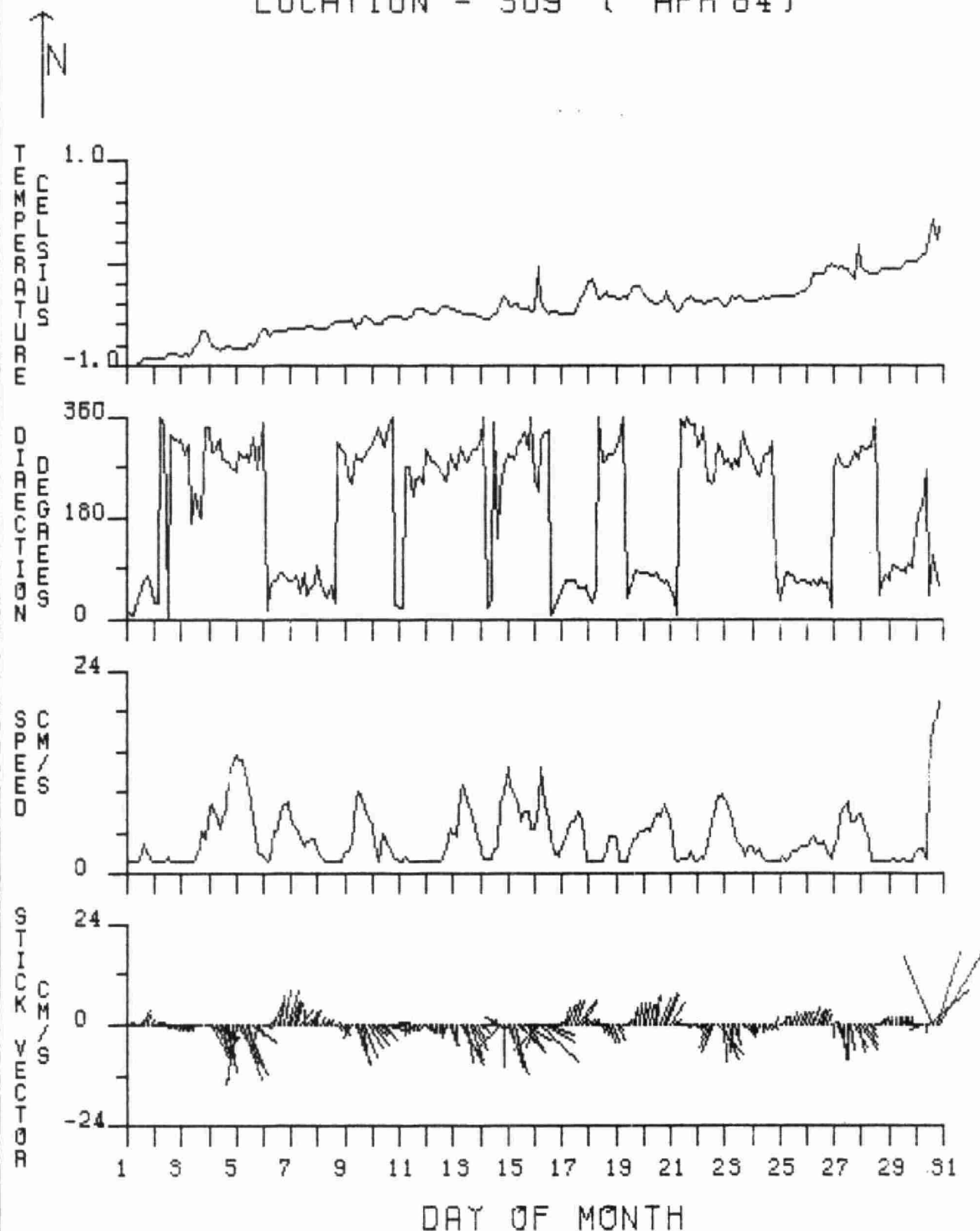


FIG. 2.48 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( MAY 84)

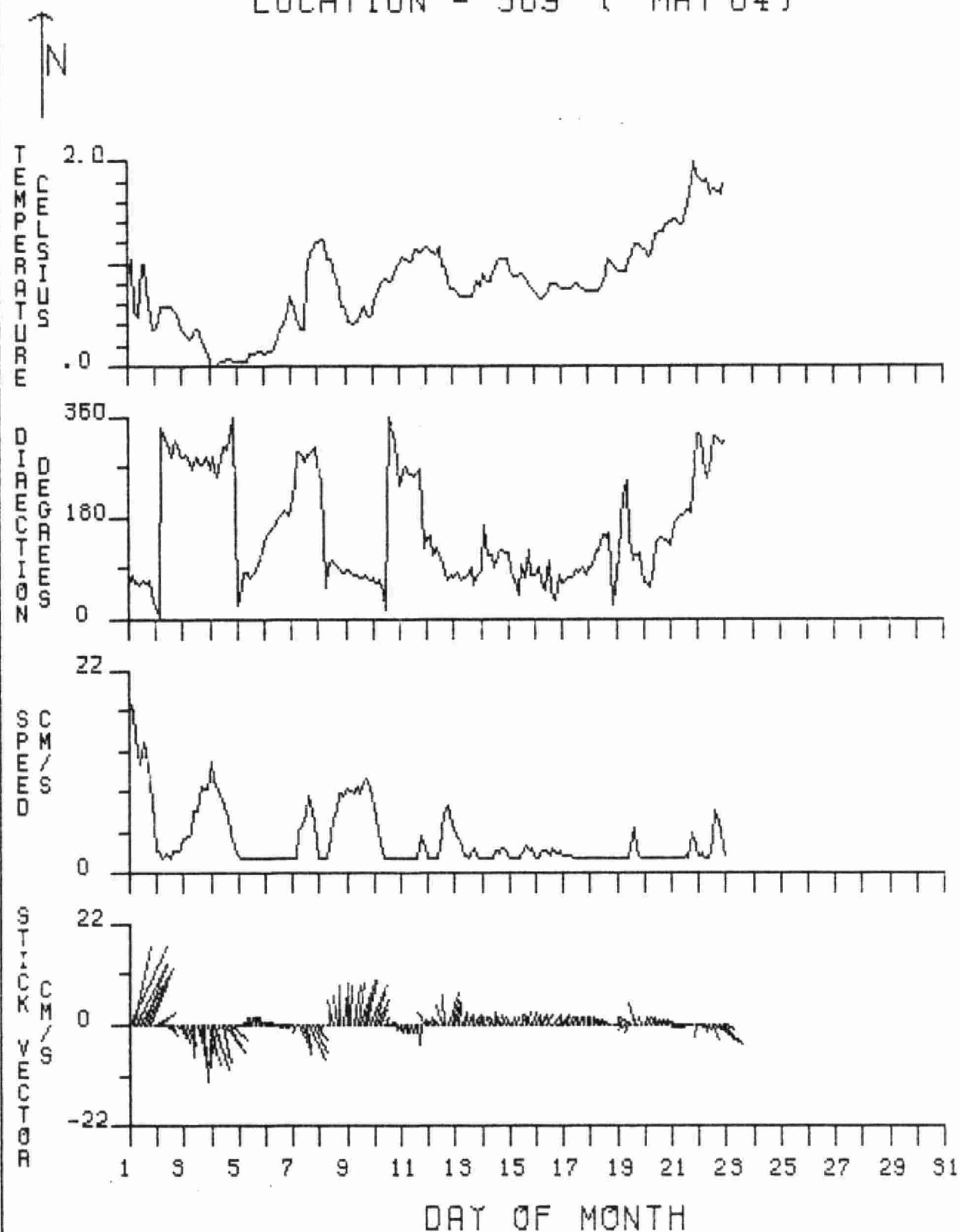


FIG. 2.49 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY OFFSHORE L. ONT.

LOCATION - 310 ( JUN 83 )

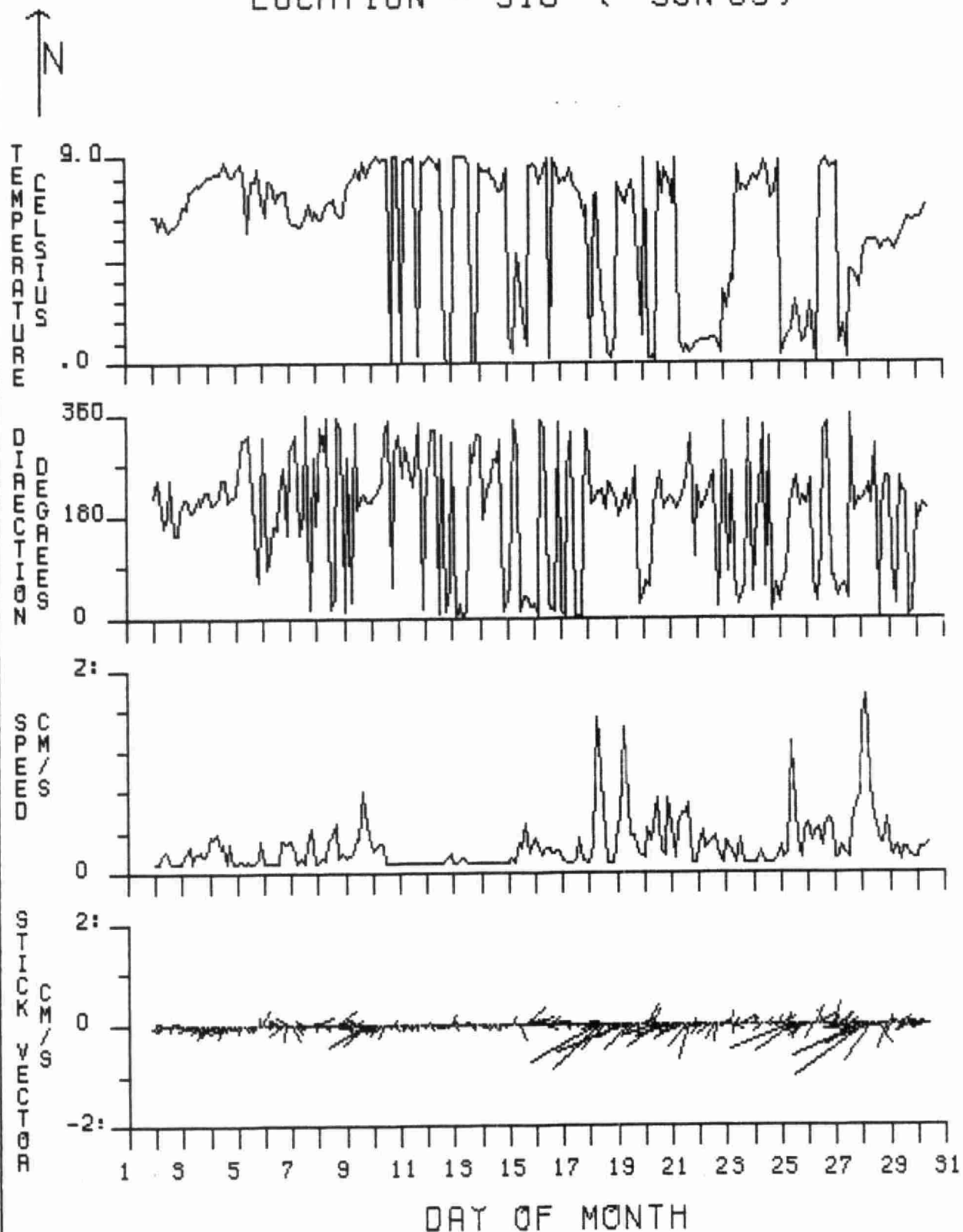


FIG. 2.50 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 0310 ( JUL 83)

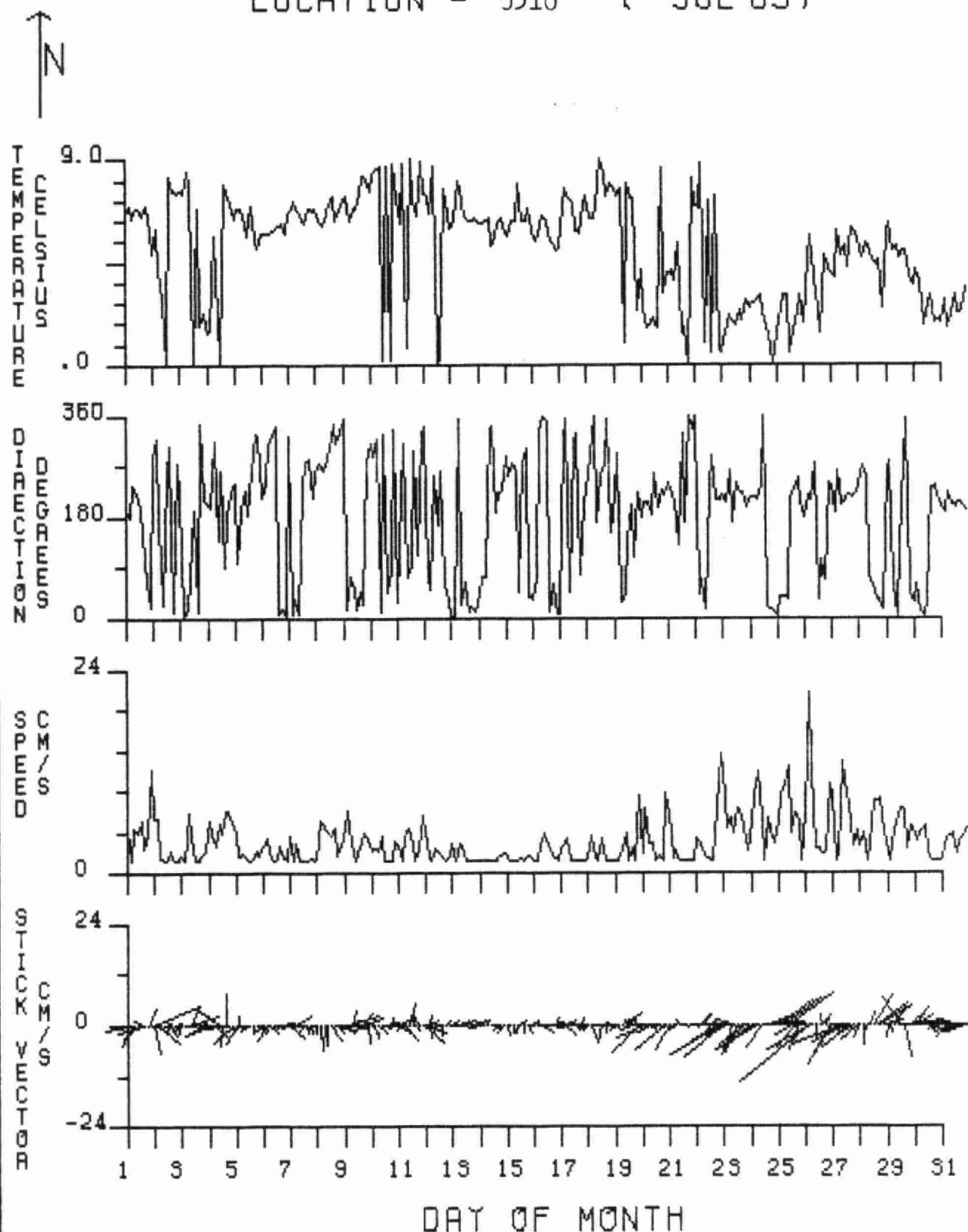


FIG. 2.51 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 0310 ( AUG 83 )

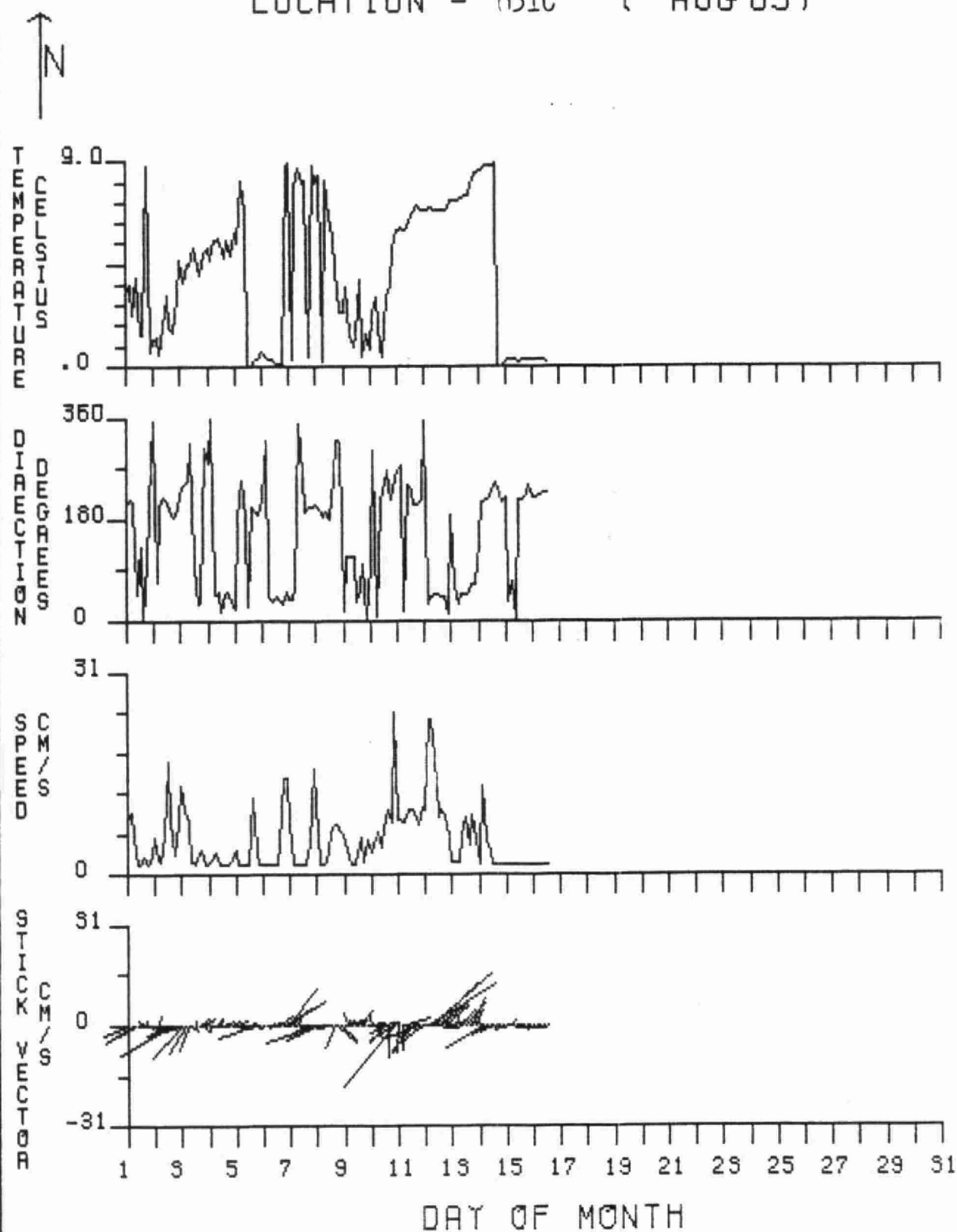


FIG. 2.52 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 310 ( AUG 83)

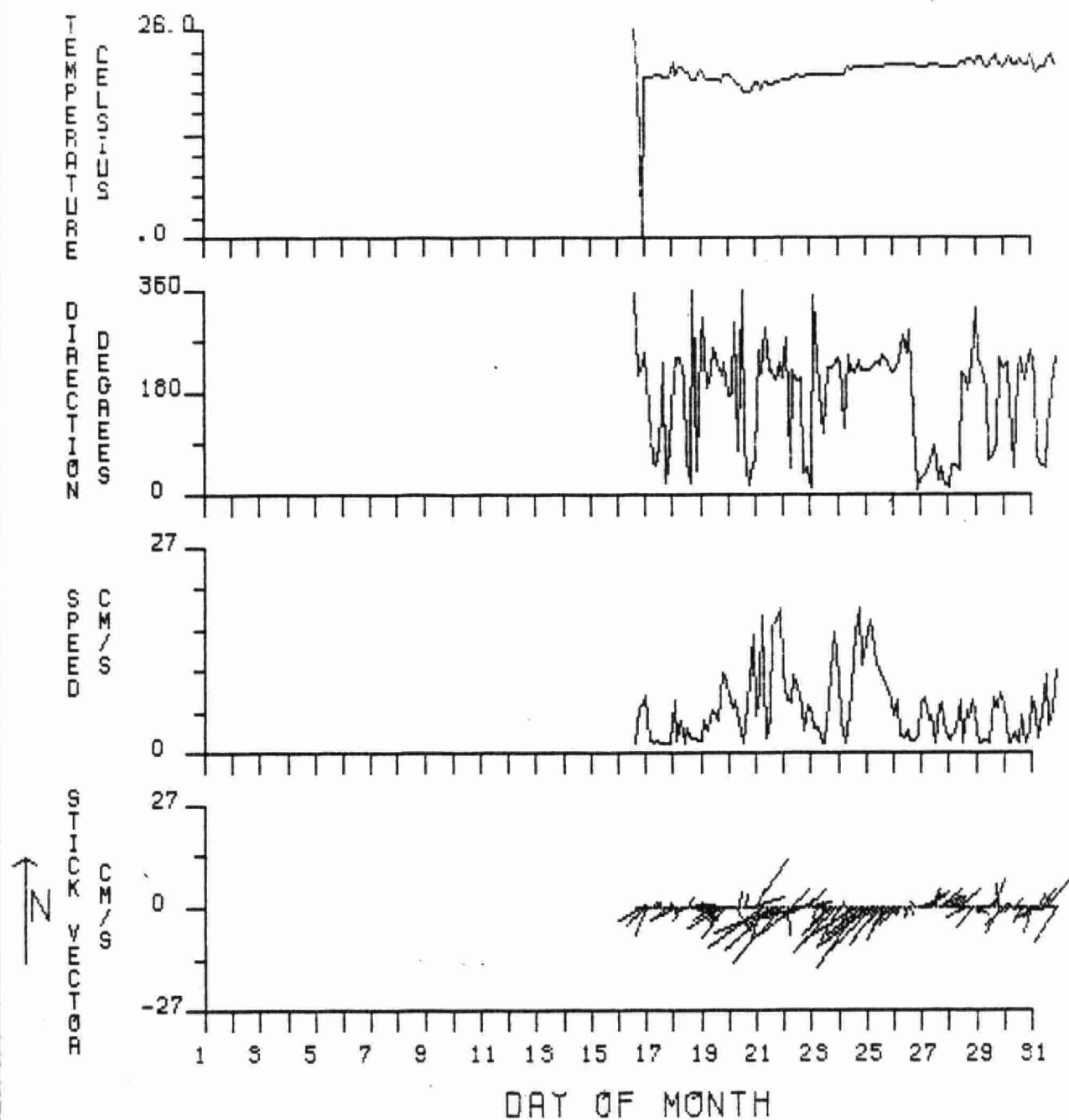


FIG. 2.53 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT



LOCATION - 310 ( SEP 83)

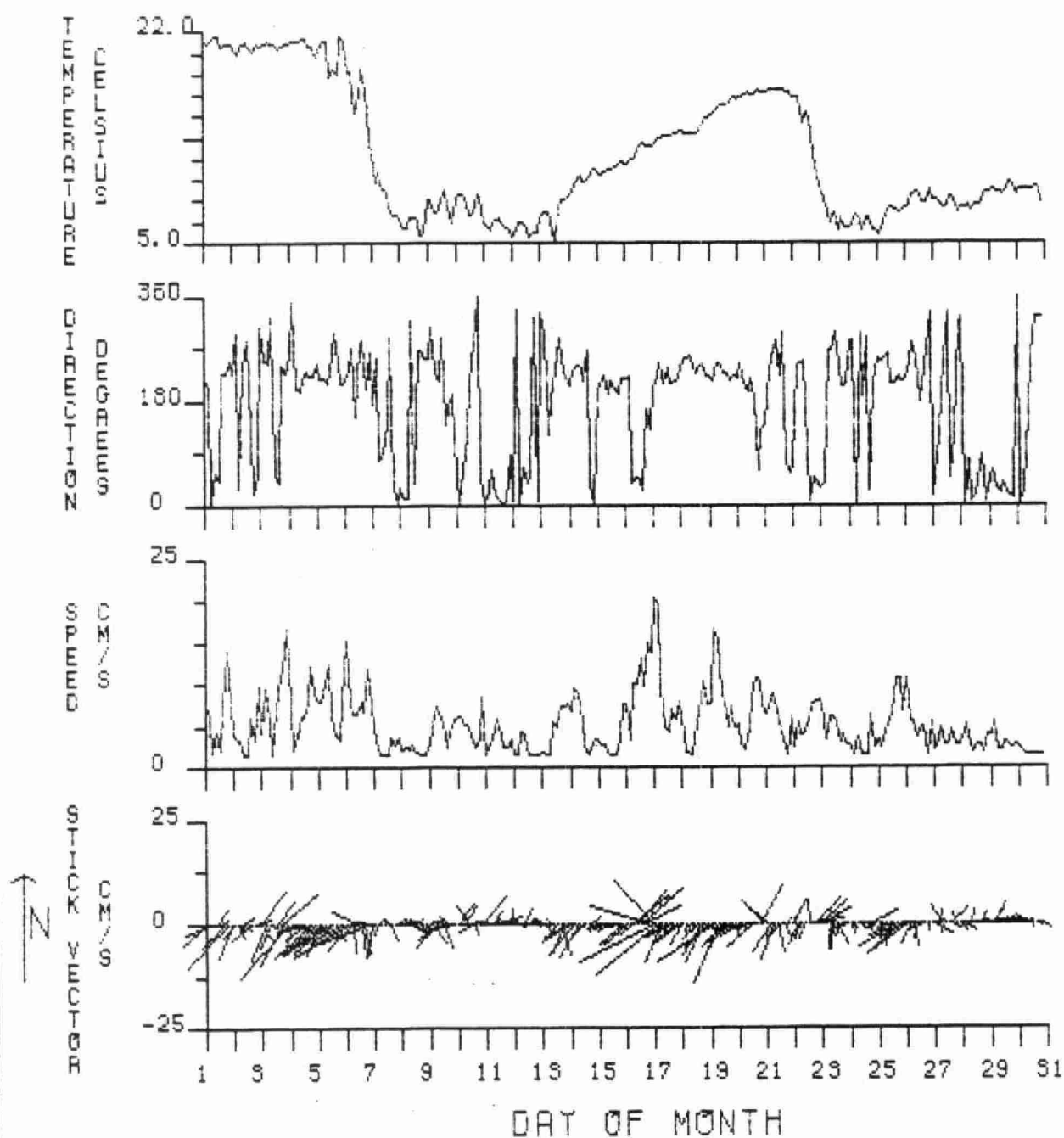


FIG. 2.54 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT

LOCATION - 310 ( OCT 88)

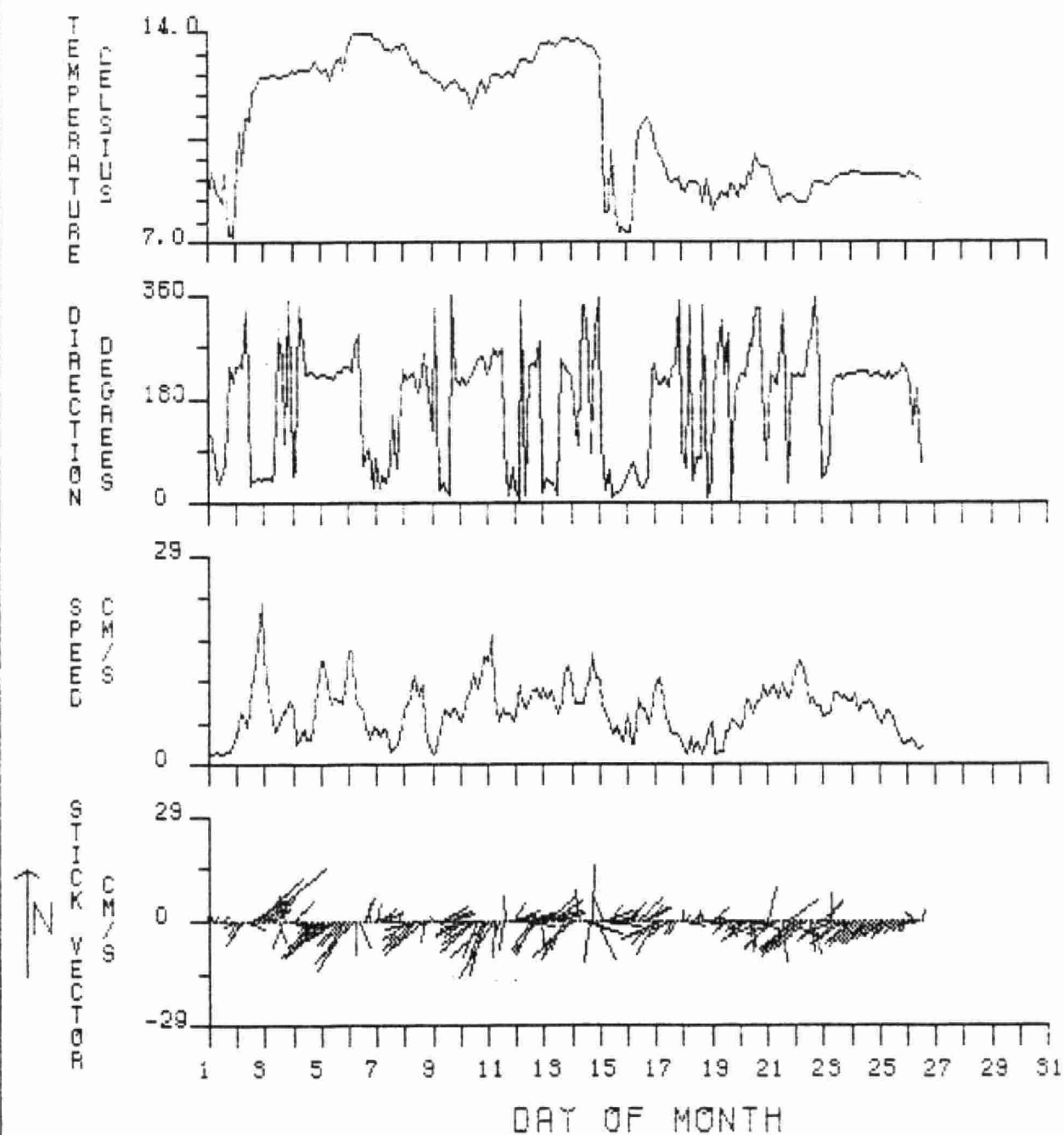


FIG. 2.56 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT

LOCATION - 310 ( NOV 83)

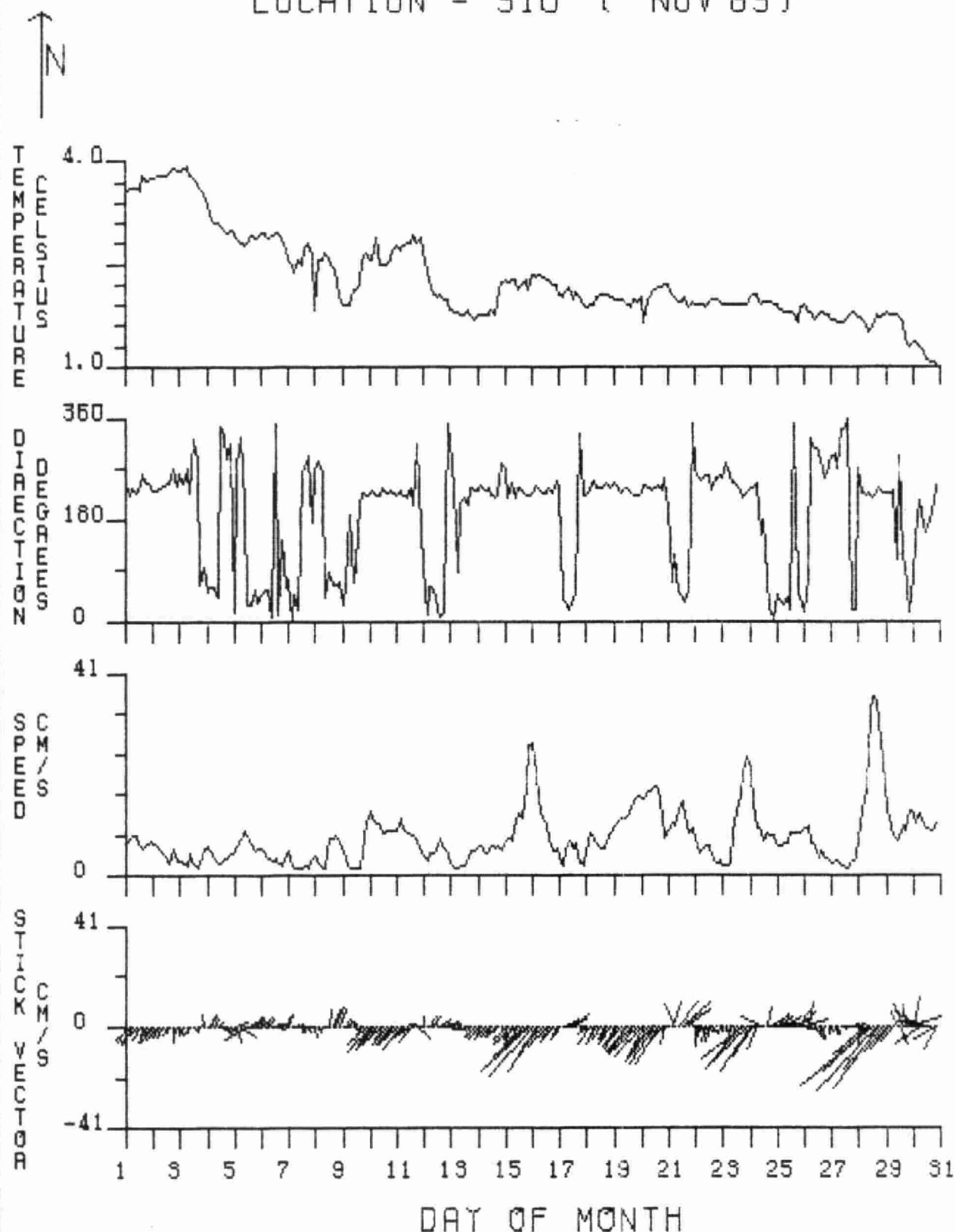


FIG. 2.57 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( DEC 83)

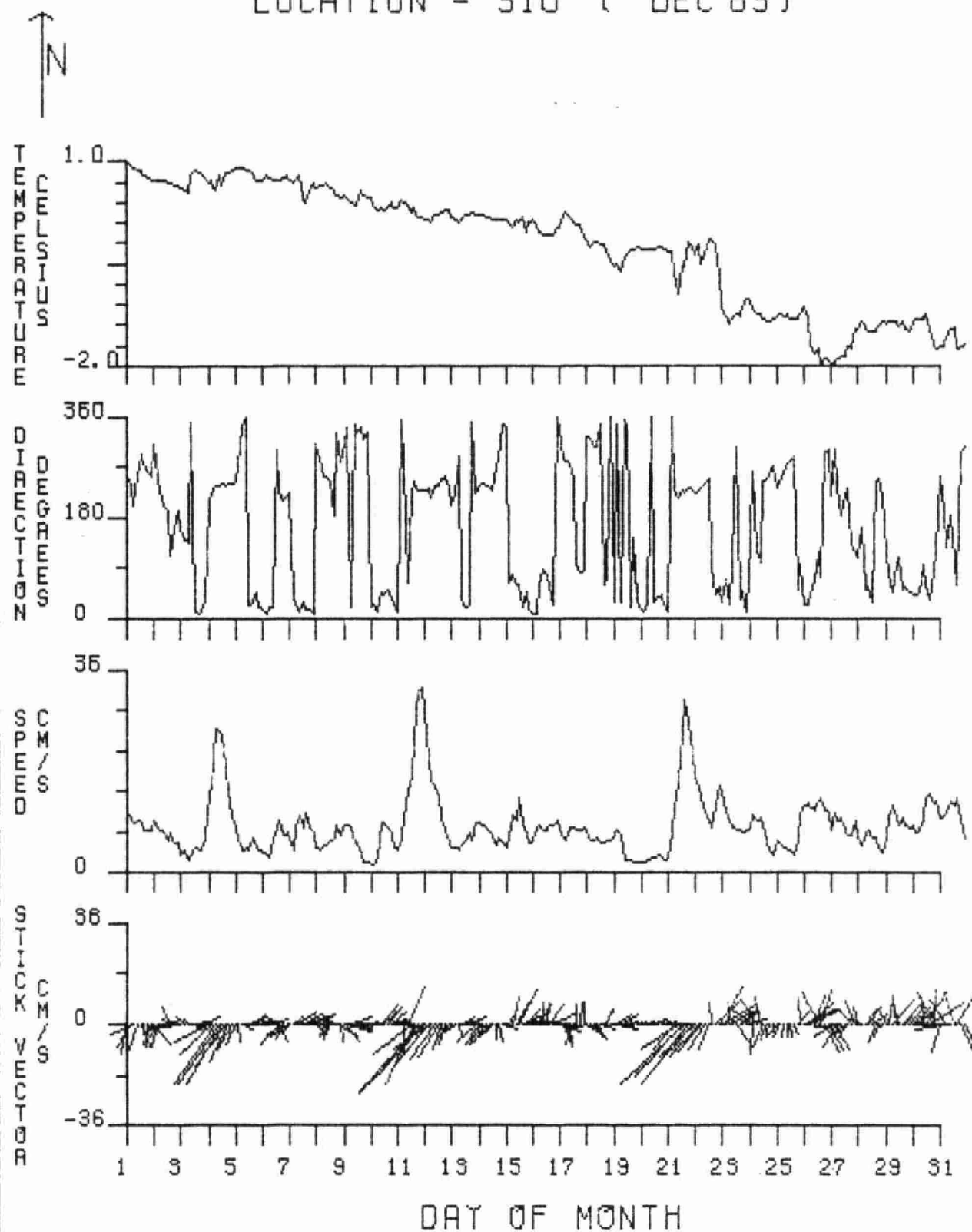


FIG. 2.58 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY MIMICO L. ONT.

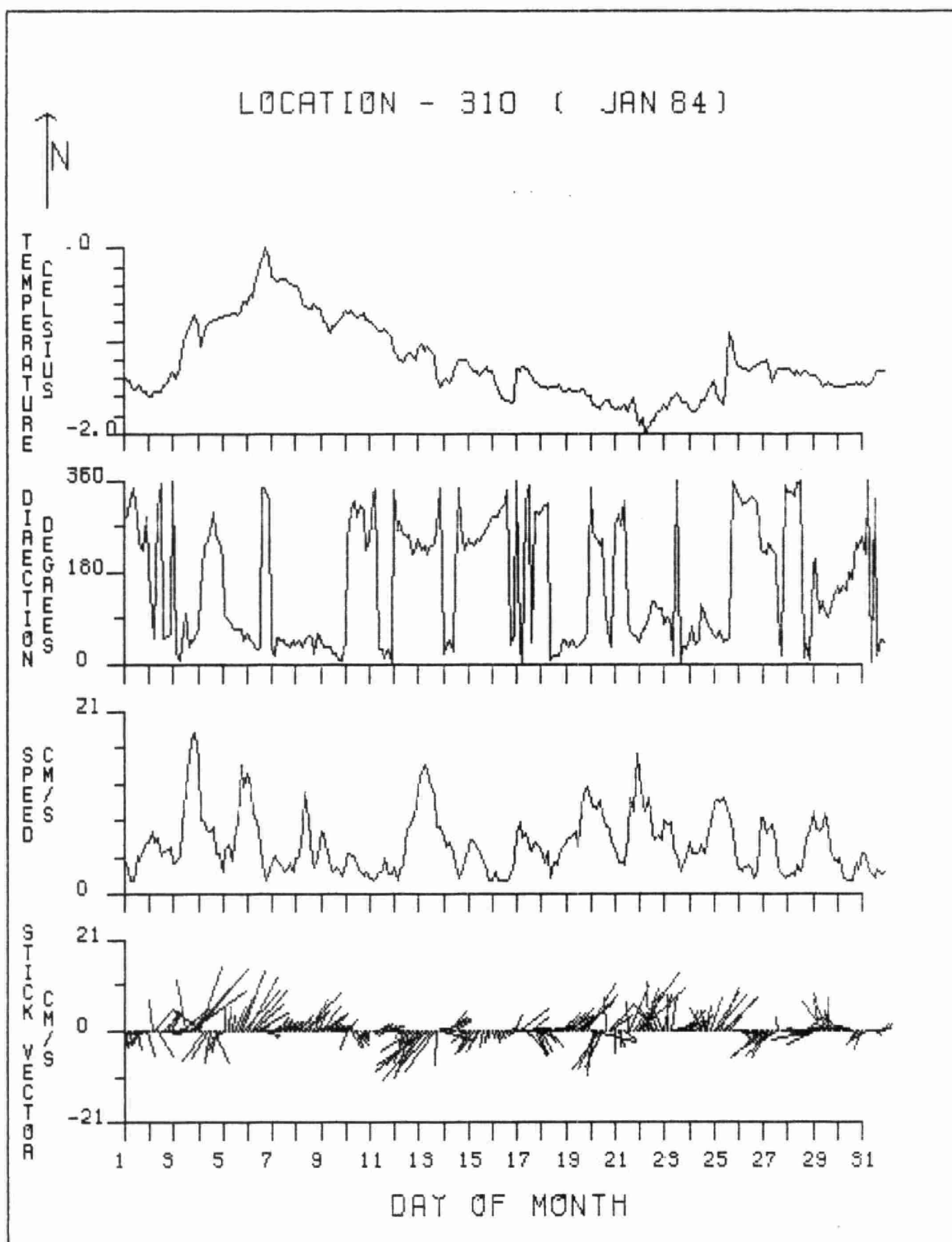


FIG. 2.59 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( FEB 84 )

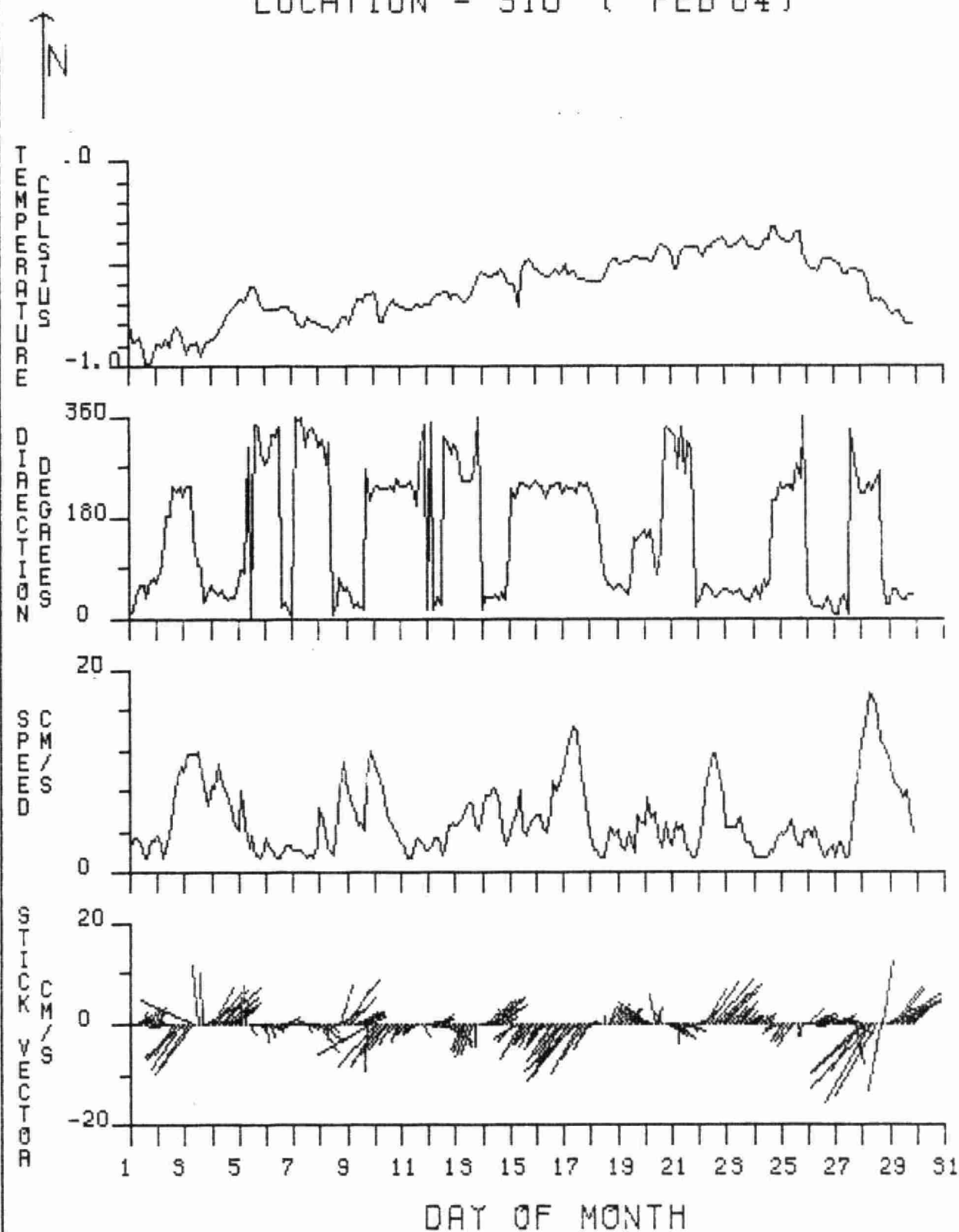


FIG. 2.60 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( MAR 84)

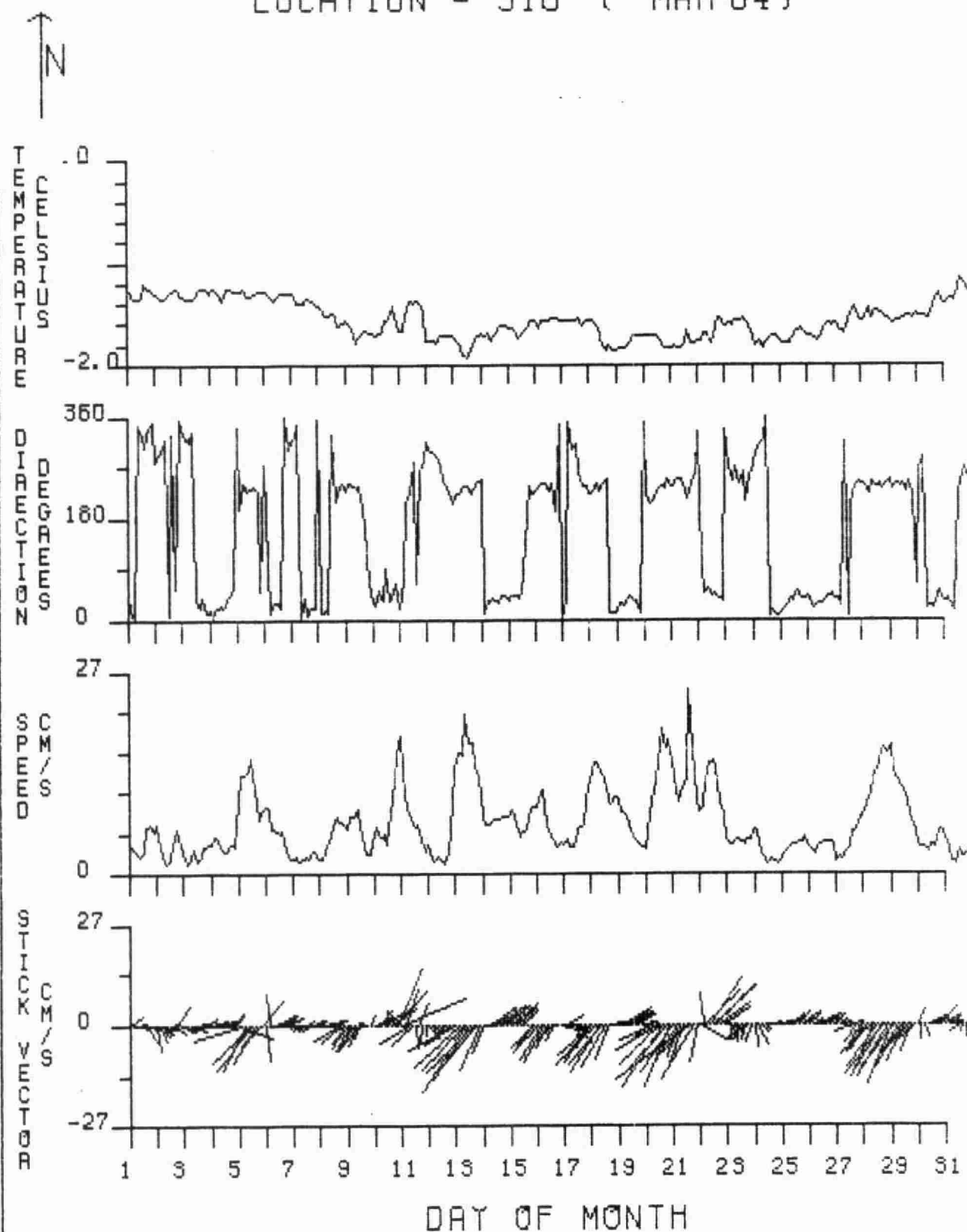


FIG.2.61 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( APR 84 )

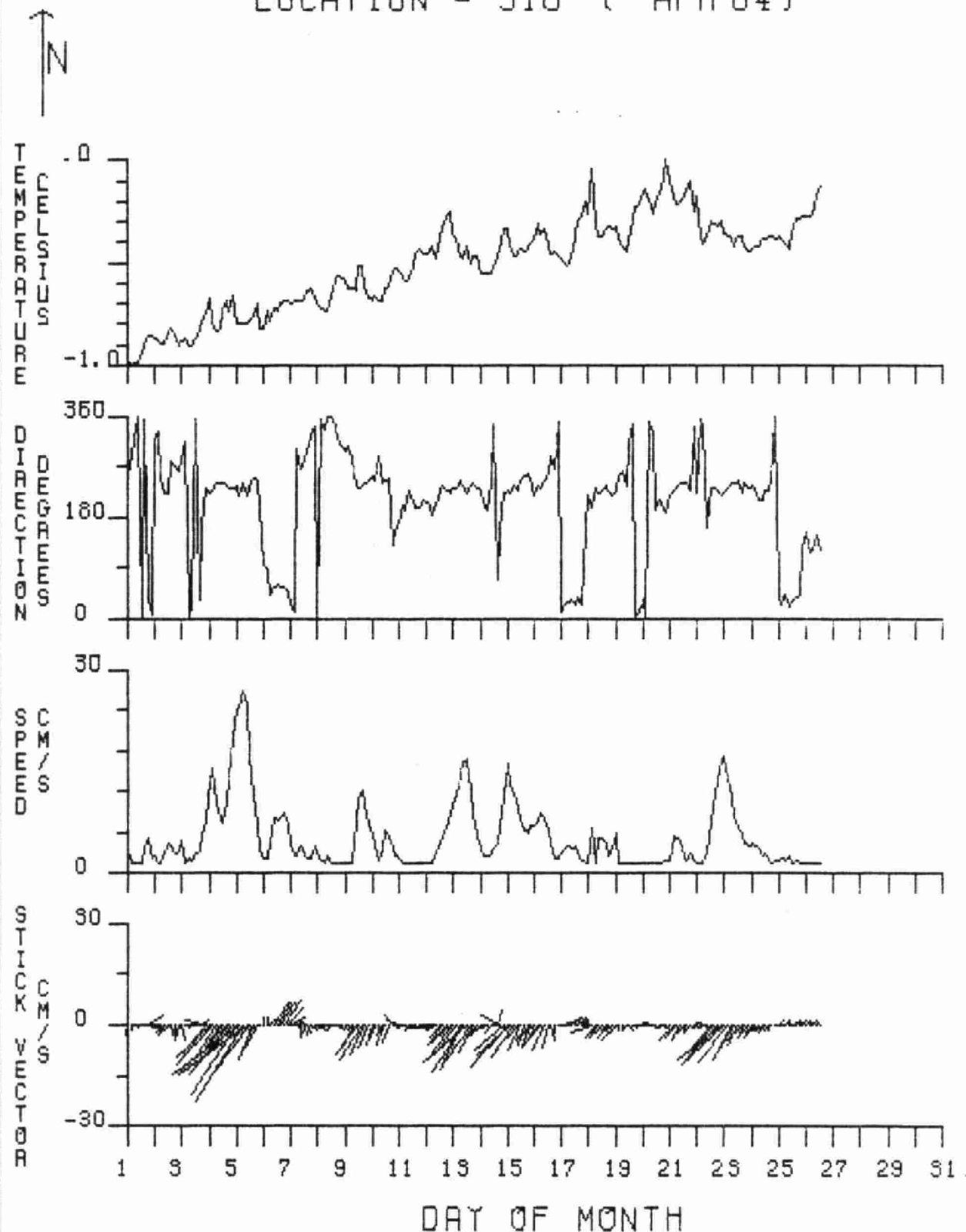


FIG. 2.62 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY MIMICO L. ONT.



LOCATION - 311 ( JUN 83)

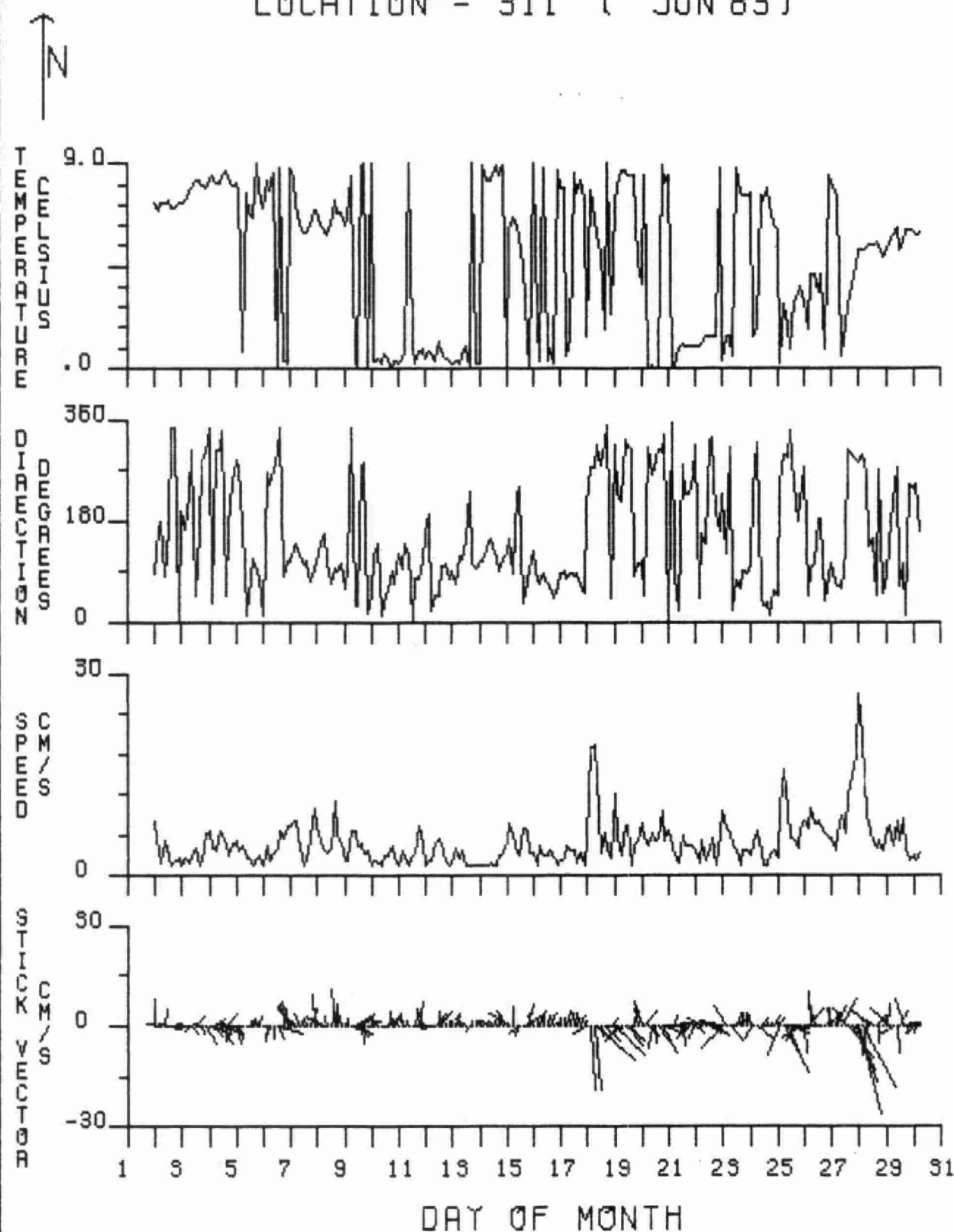


FIG. 2.63 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 311 ( JUL 83)

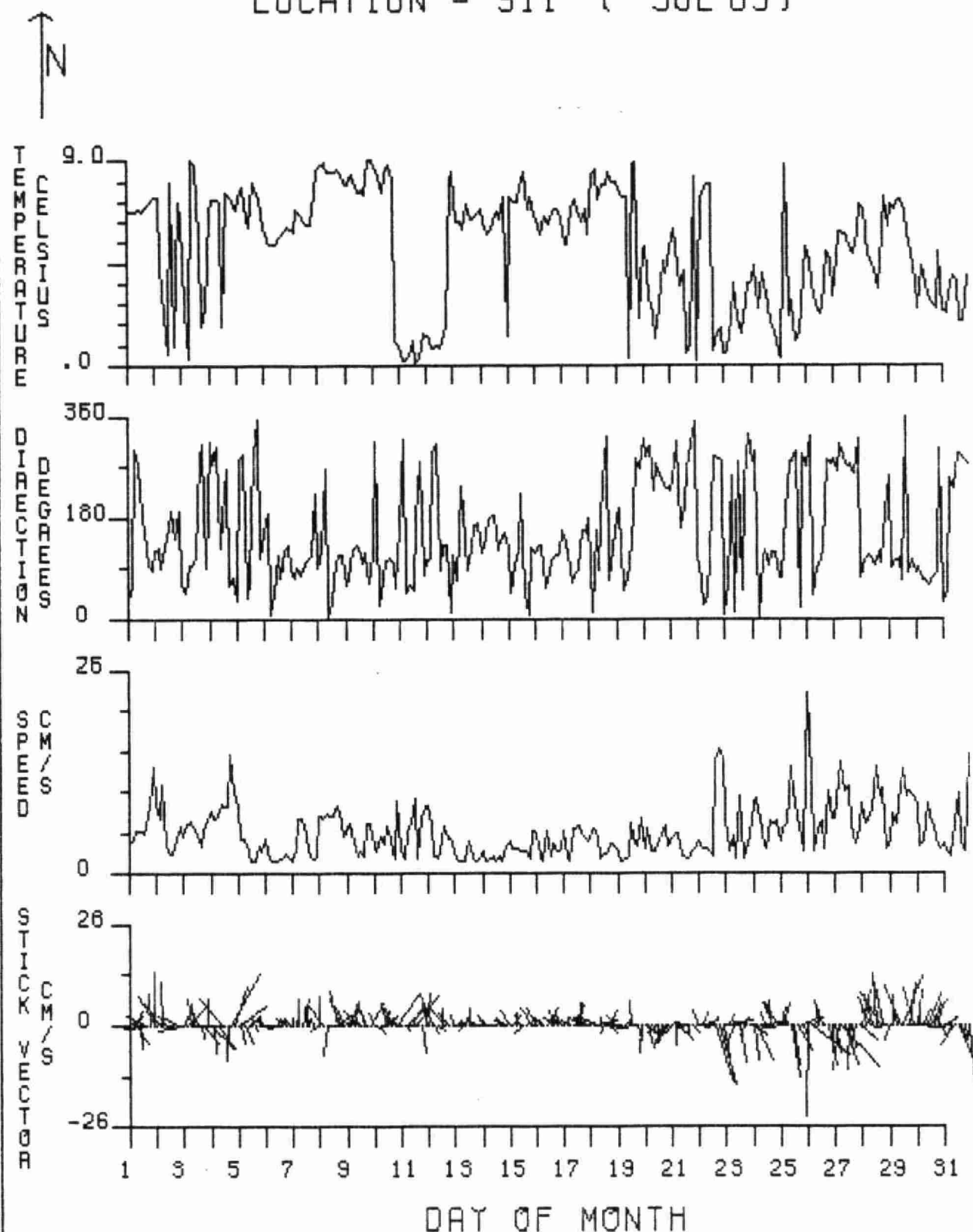


FIG. 2.64 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 311 ( AUG 83 )

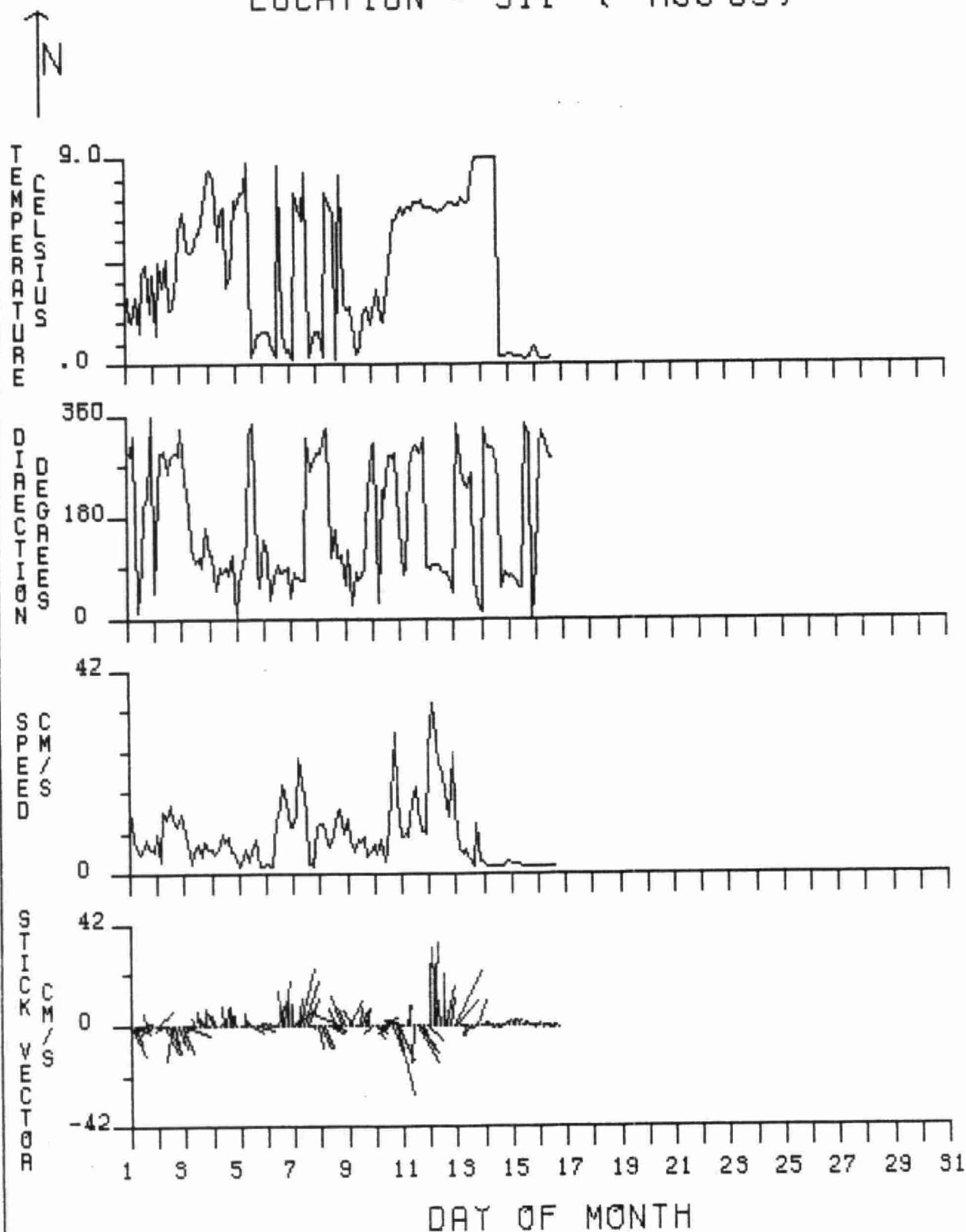


FIG. 2.65 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER BAY L. ONT.

LOCATION - 311 ( DEC 83)

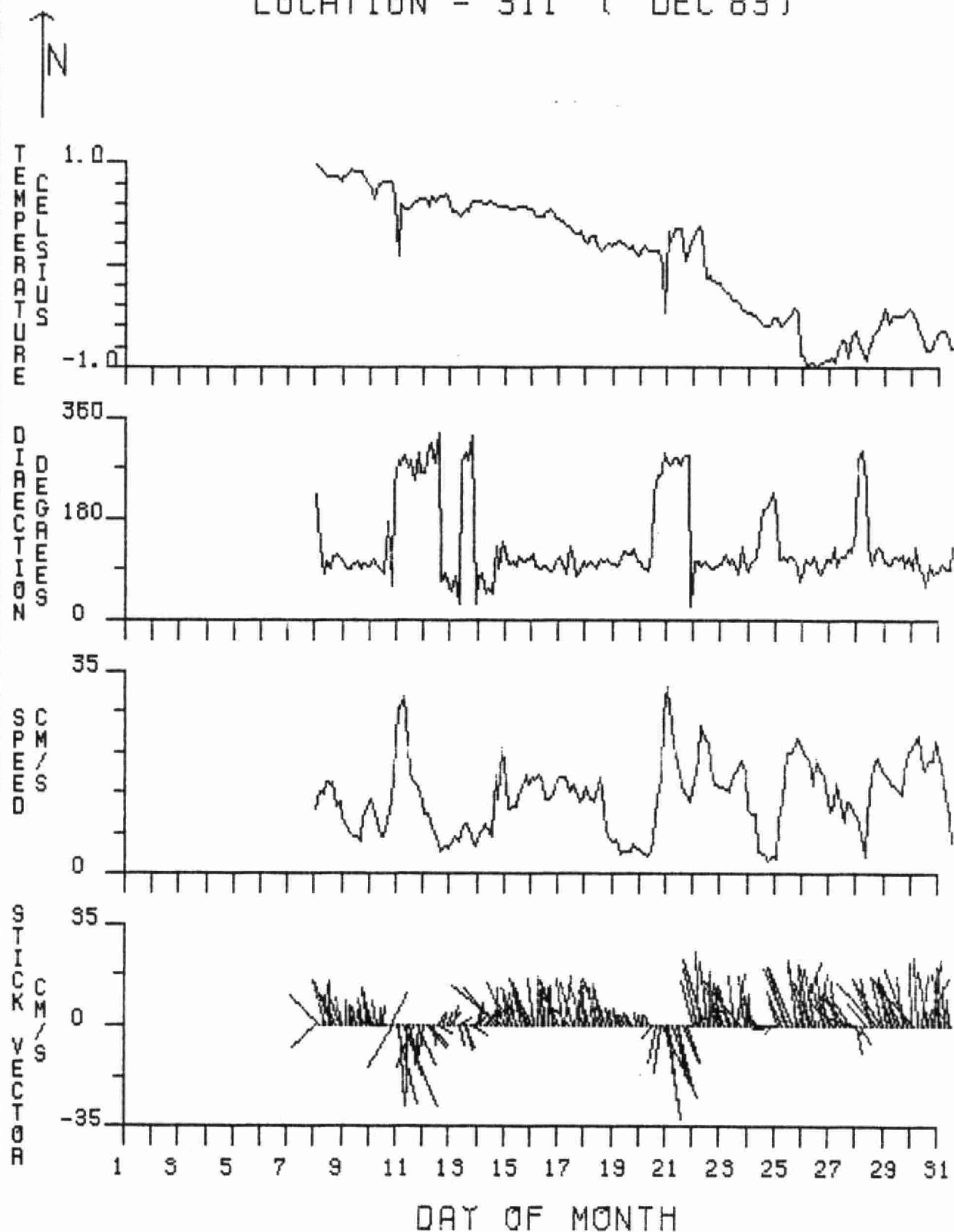


FIG. 2.66 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( JAN 84 )

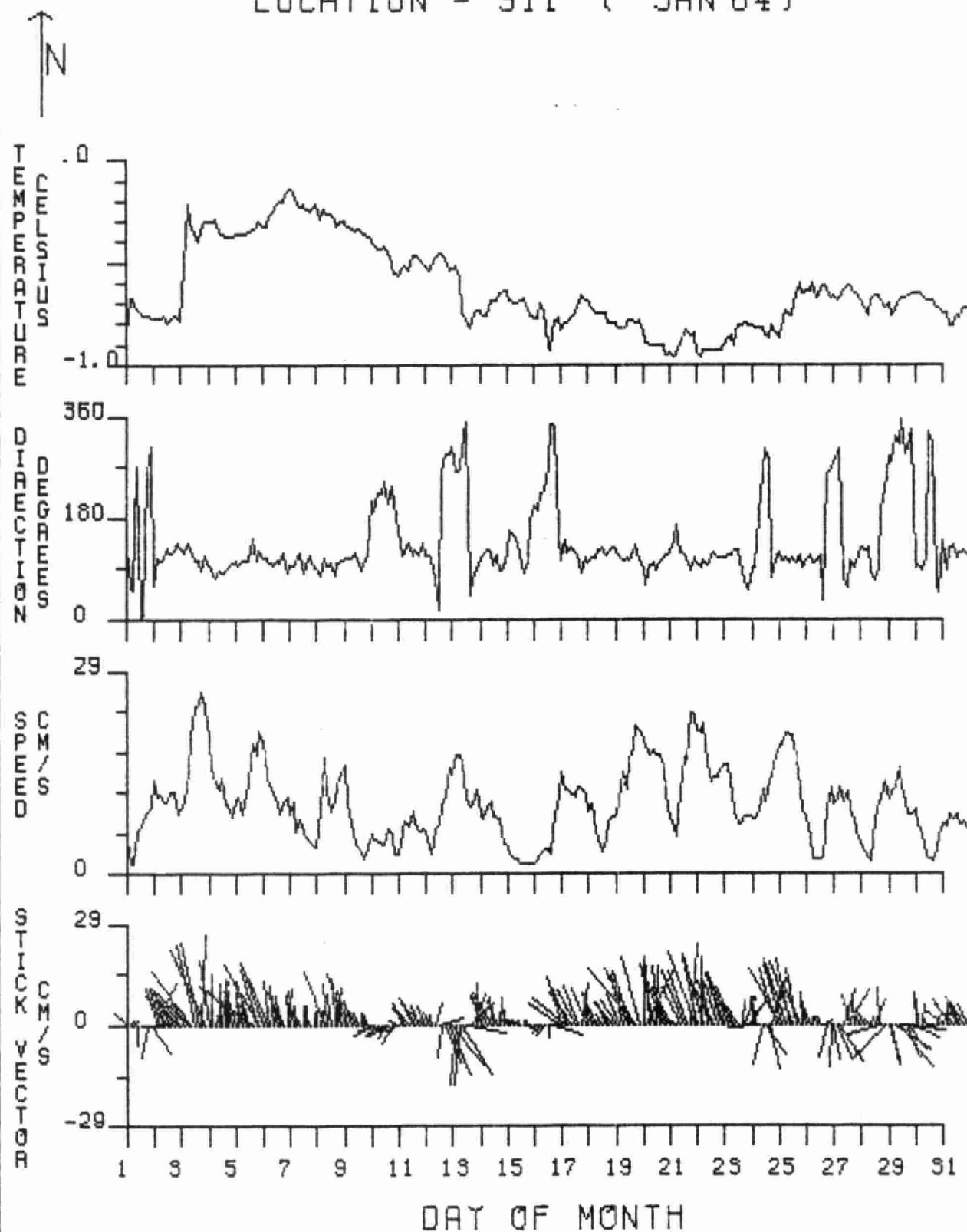


FIG. 2.67 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( FEB 84)

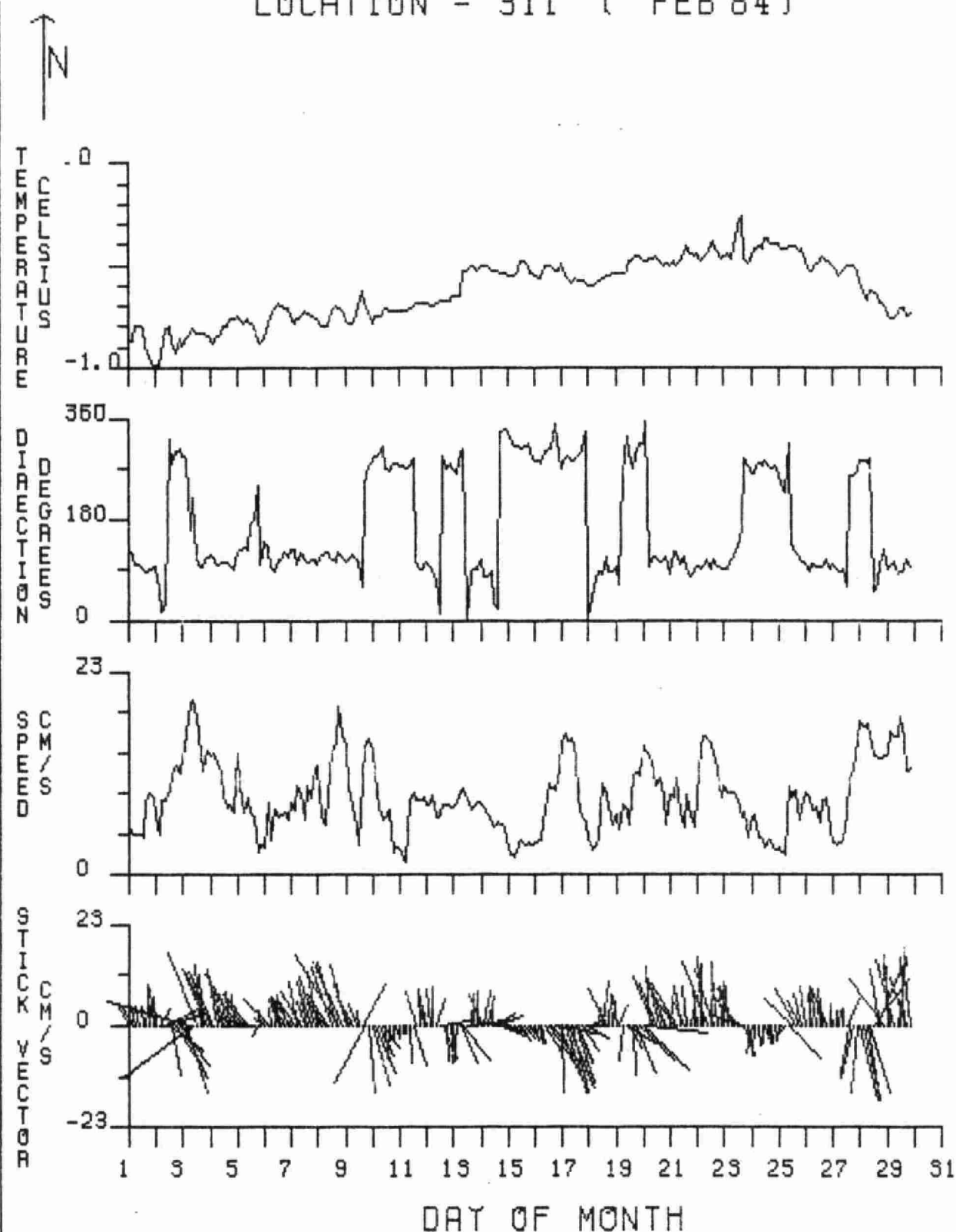


FIG. 2.68 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( MAR 84 )

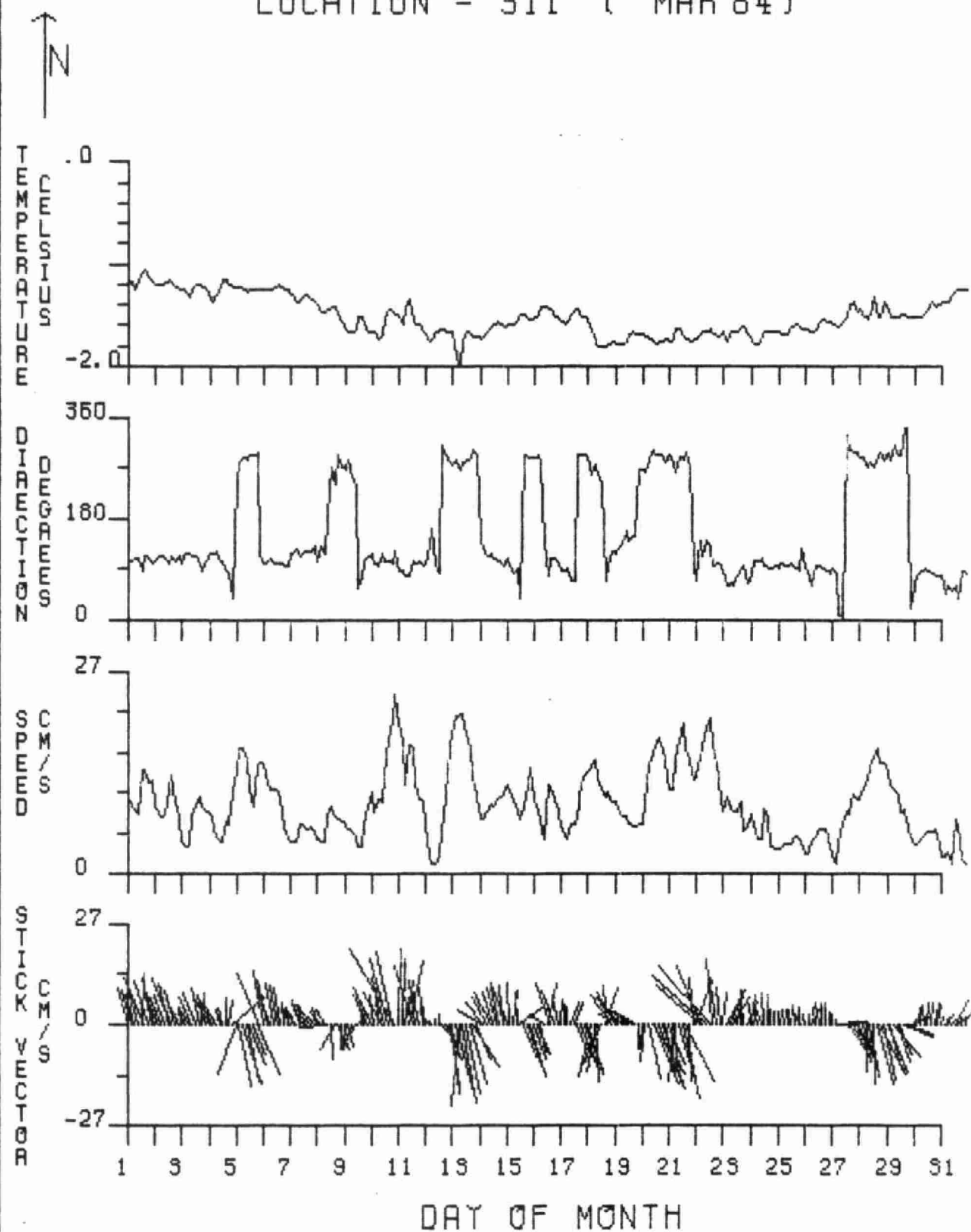


FIG. 2.69 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( APR 84)

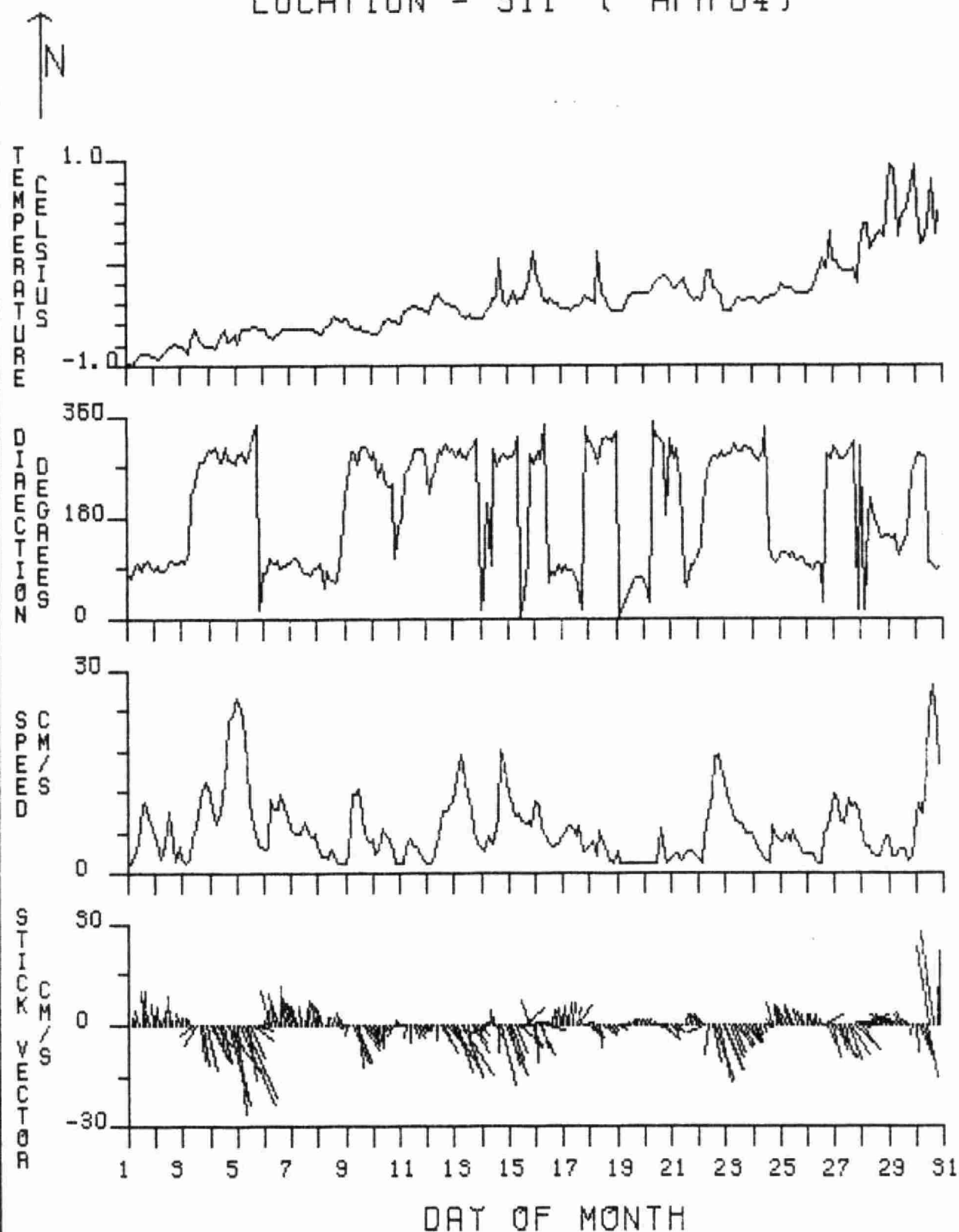


FIG. 2.70 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER ONTARIO PLACE L. ONT.



LOCATION - 311 ( MAY 84 )

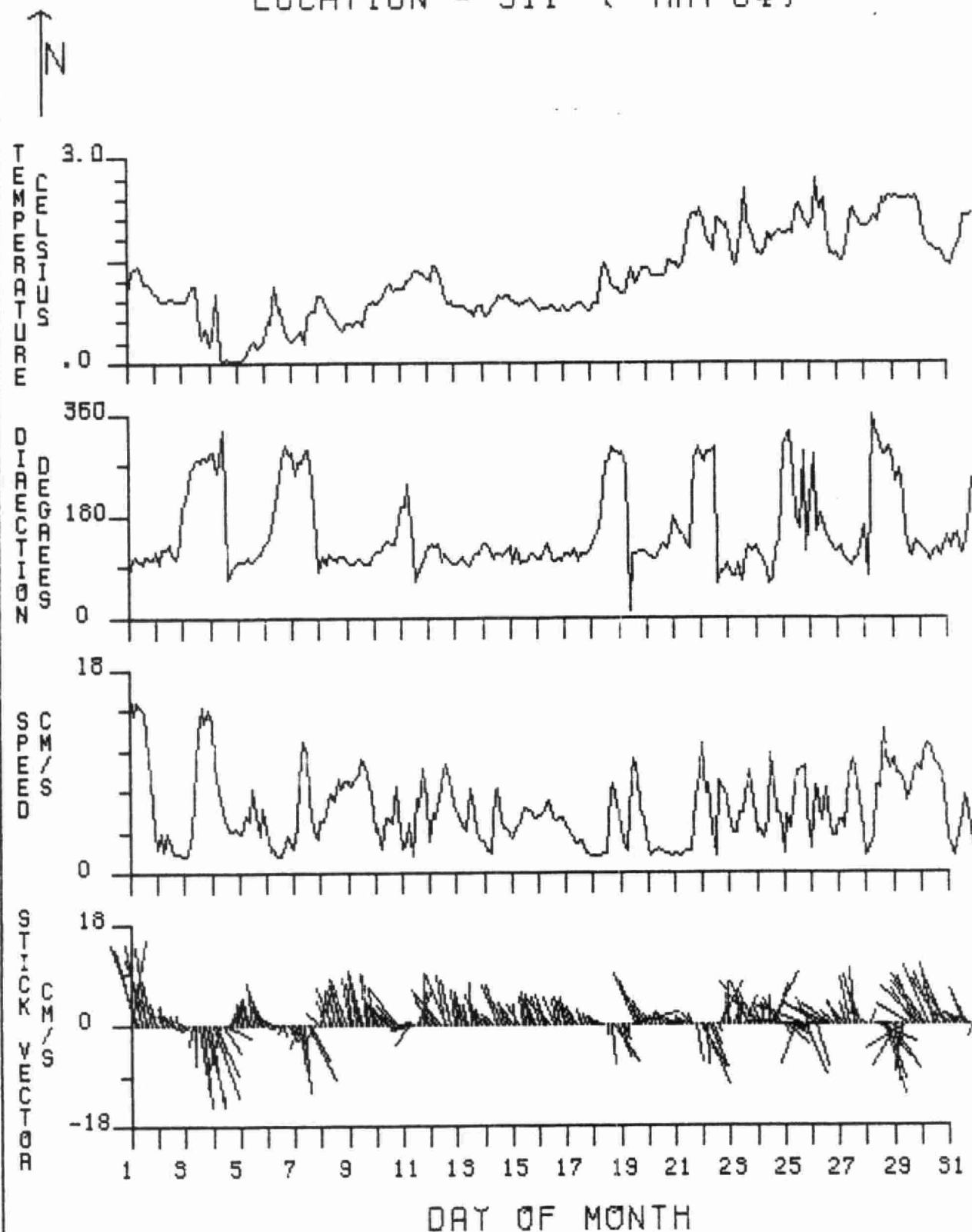


FIG. 2.71 VARIATION OF CURRENT DIRECTION, SPEED AND TEMPERATURE WITH TIME : HUMBER ONTARIO PLACE L. ONT.

LOCATION - 306 ( MAY 83)

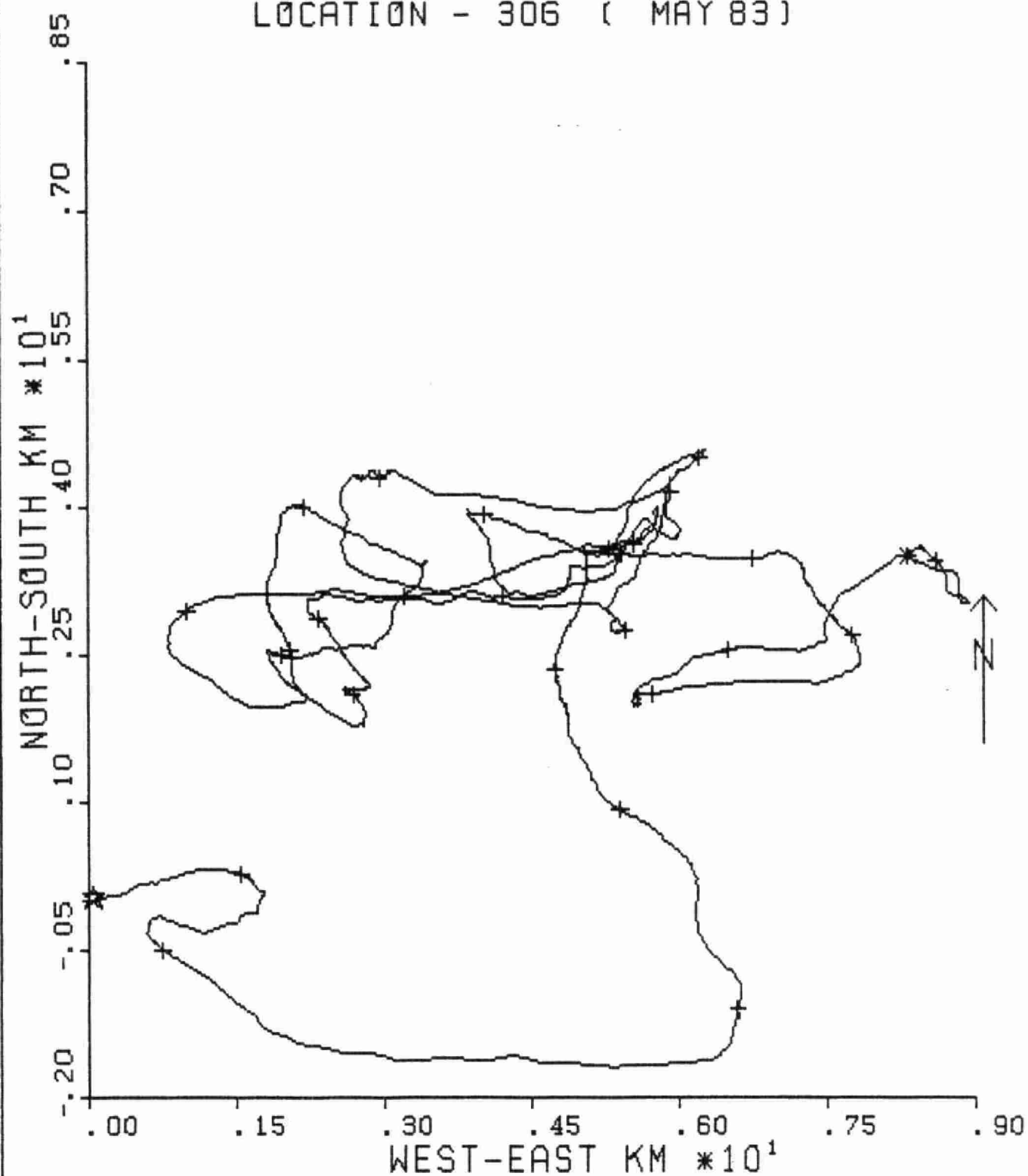


FIG.3.01 PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY L. ONT.

LOCATION - 306 ( JUN 83 )

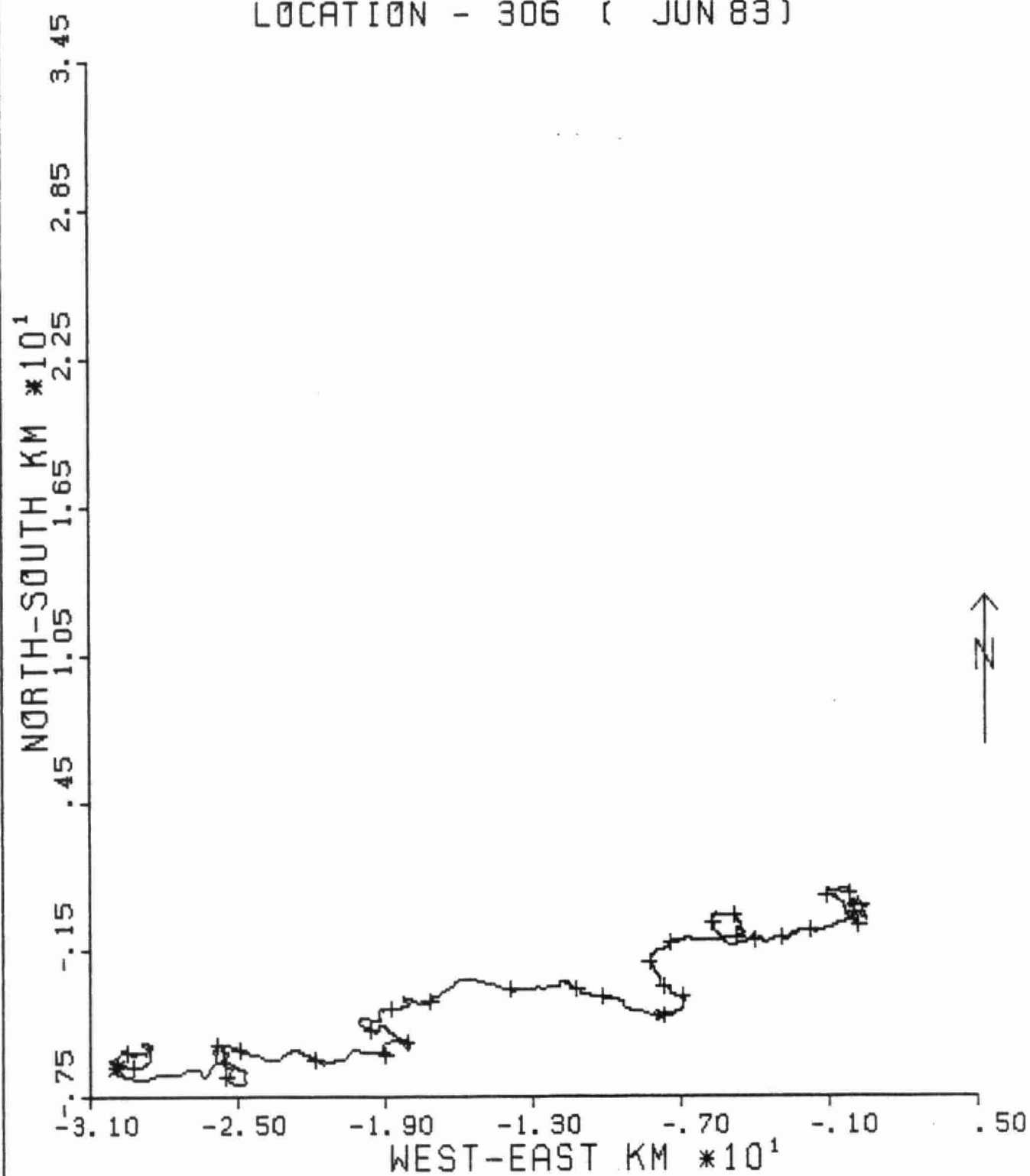


FIG. 3.02 PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY L. ONT.

LOCATION - 306 ( JUL 83)

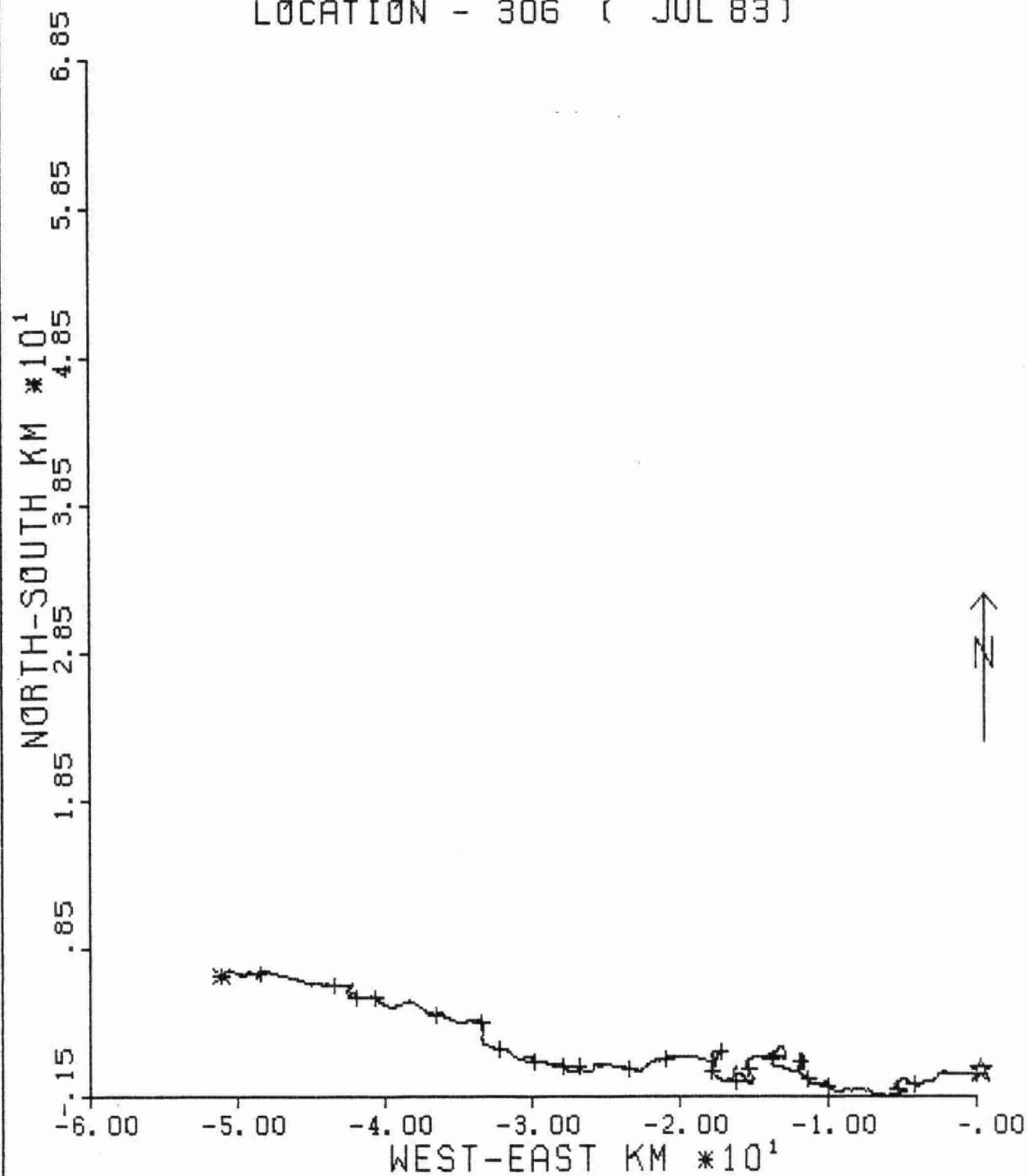


FIG.3.03: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER B L. ONT.

LOCATION - 306 ( AUG 83 )

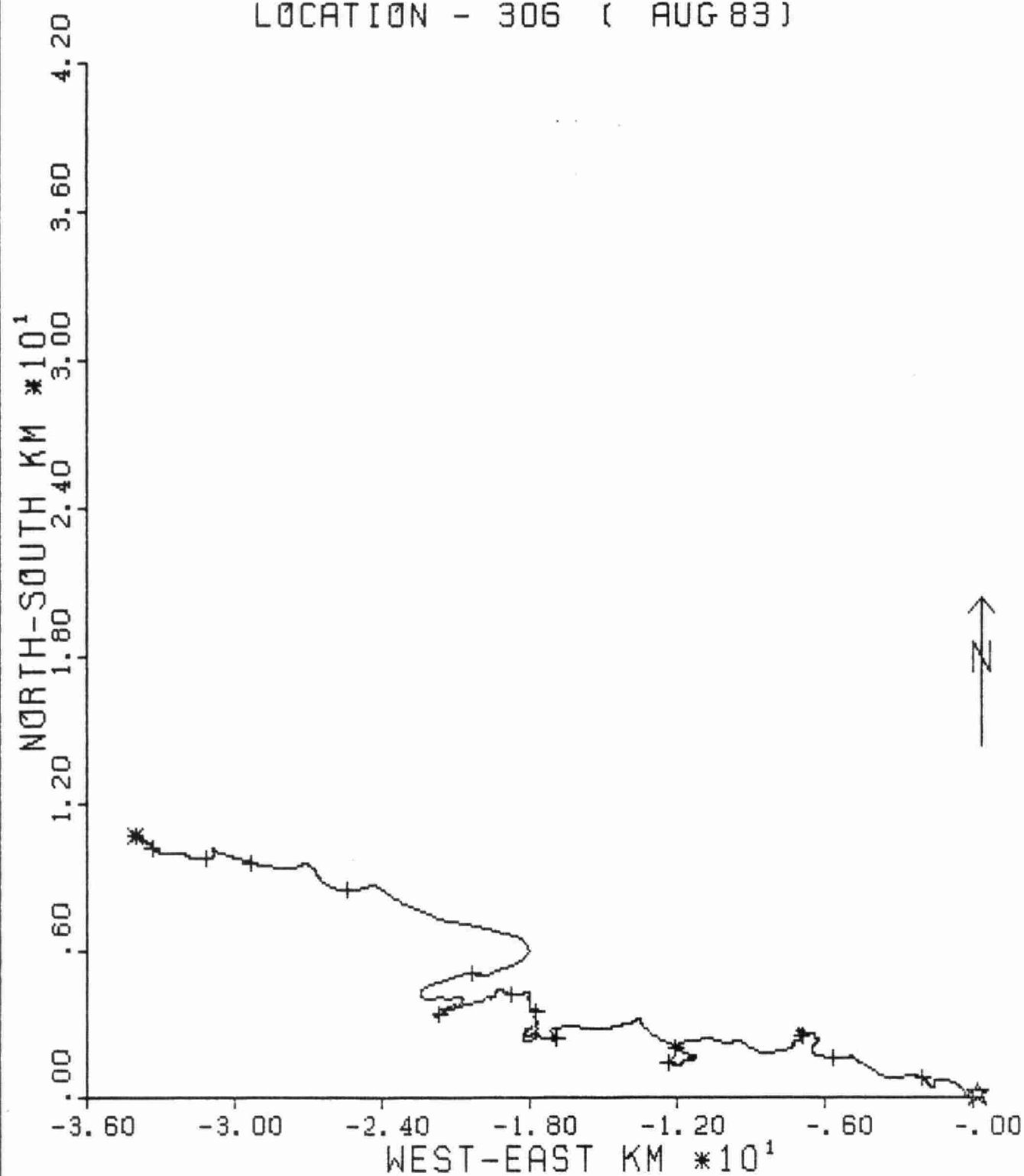


FIG.3.04: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY L. ONT.

LOCATION - 306 ( AUG 83)

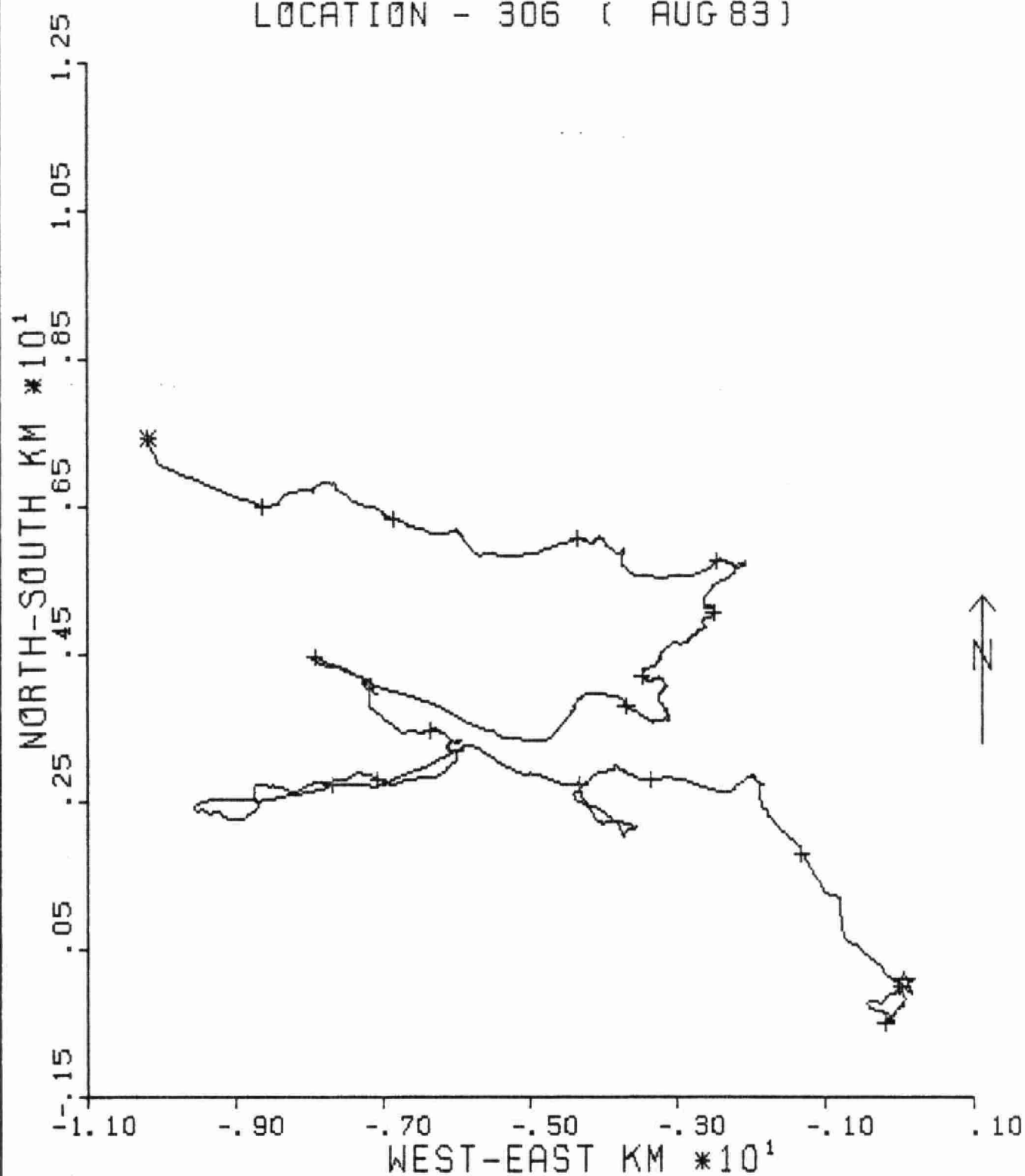


FIG.3.05: PROGRESSIVE VECTOR PLOT: \* START AND \* END OF RECORD  
HUM. BAY-BLVD. CLUB L.ONT

LOCATION - 306 ( SEP 83 )

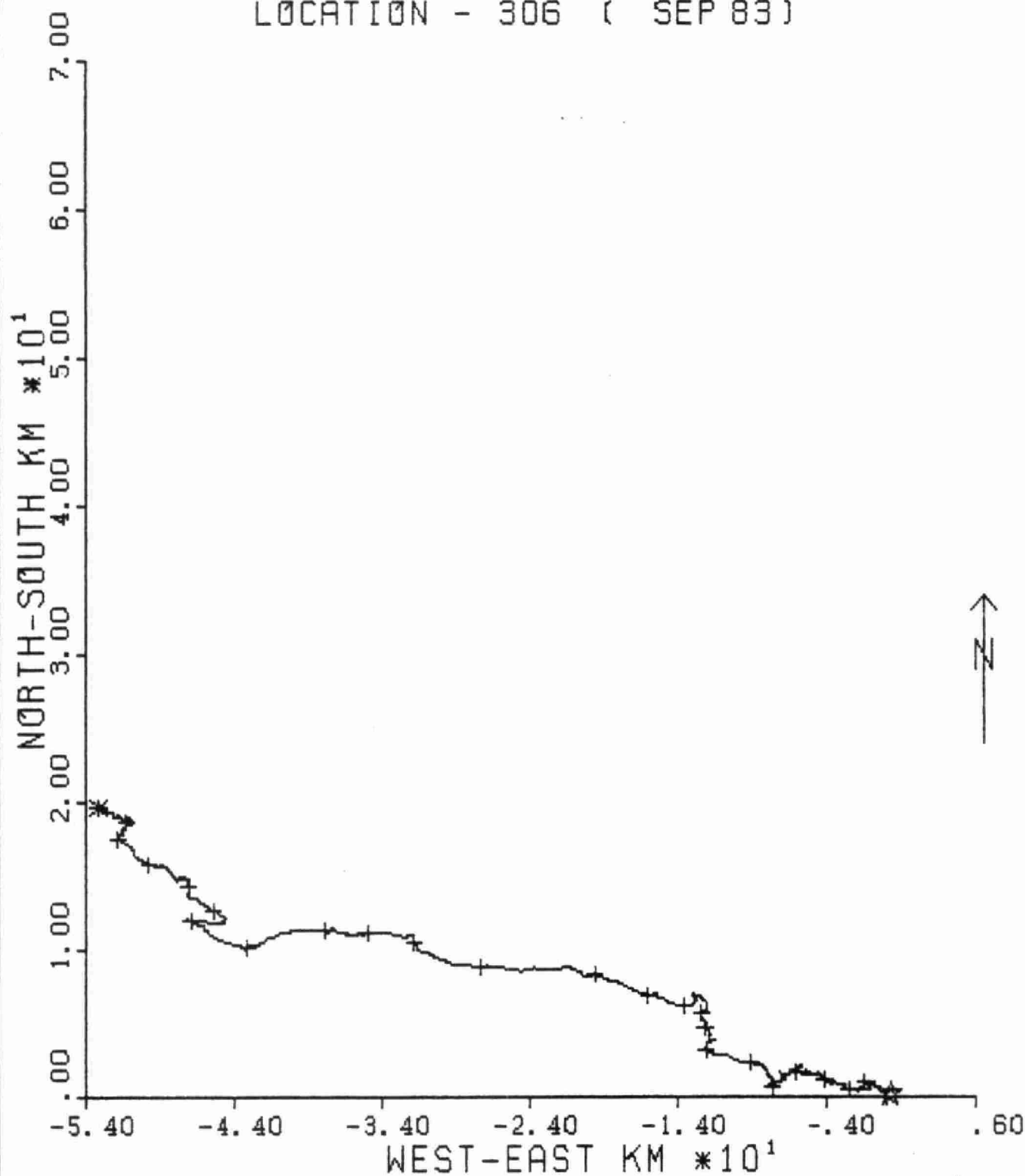


FIG.3.06: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUM. BAY-BLVD. CLUB L.ONT

LOCATION - 306 ( OCT 83 )

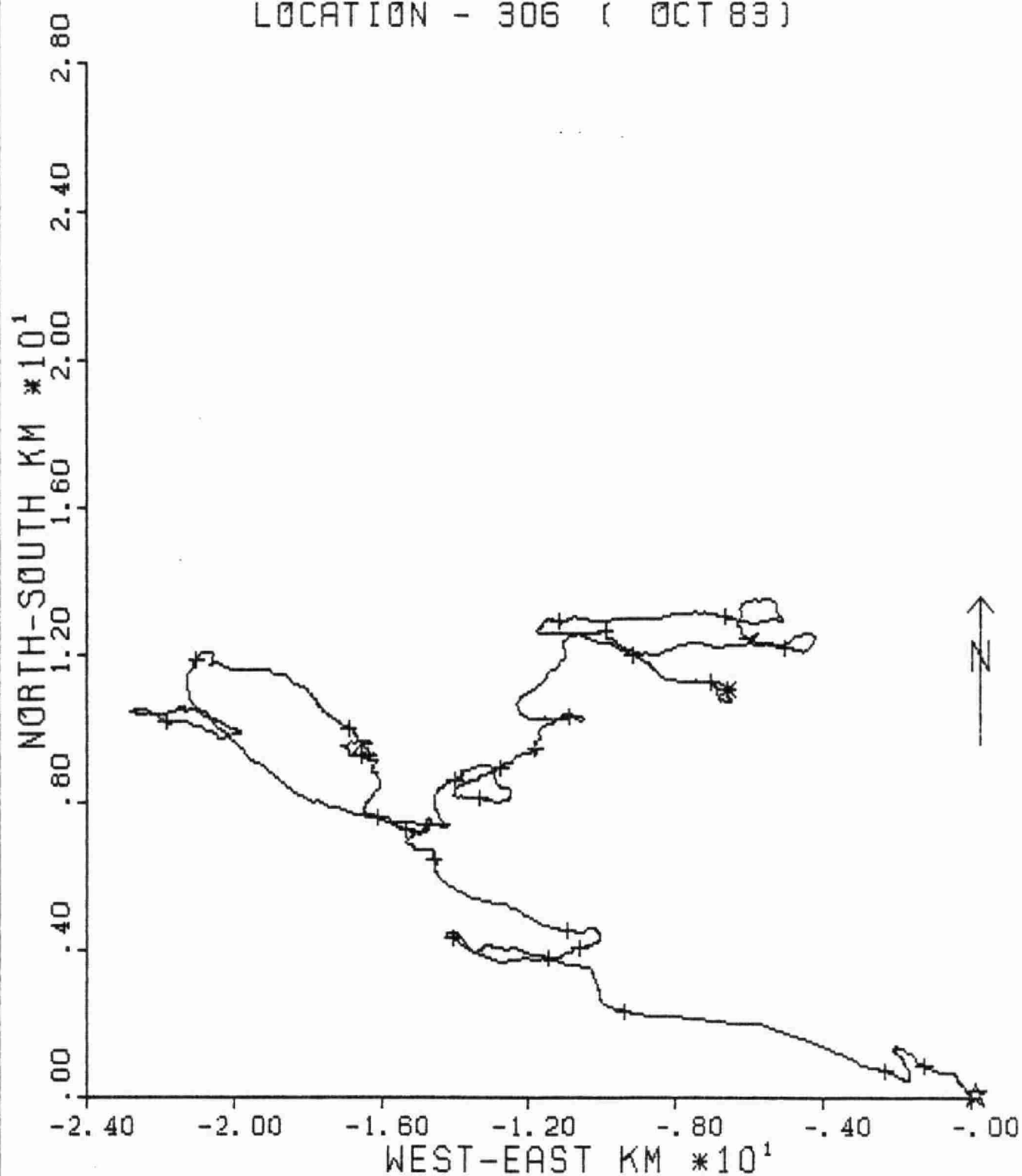


FIG.3.07: PROGRESSIVE VECTOR PLOT: ☆ START AND ✕ END OF RECORD  
HUM. BAY-BLVD. CLUB L.ONT



LOCATION - 306 ( NOV 83 )

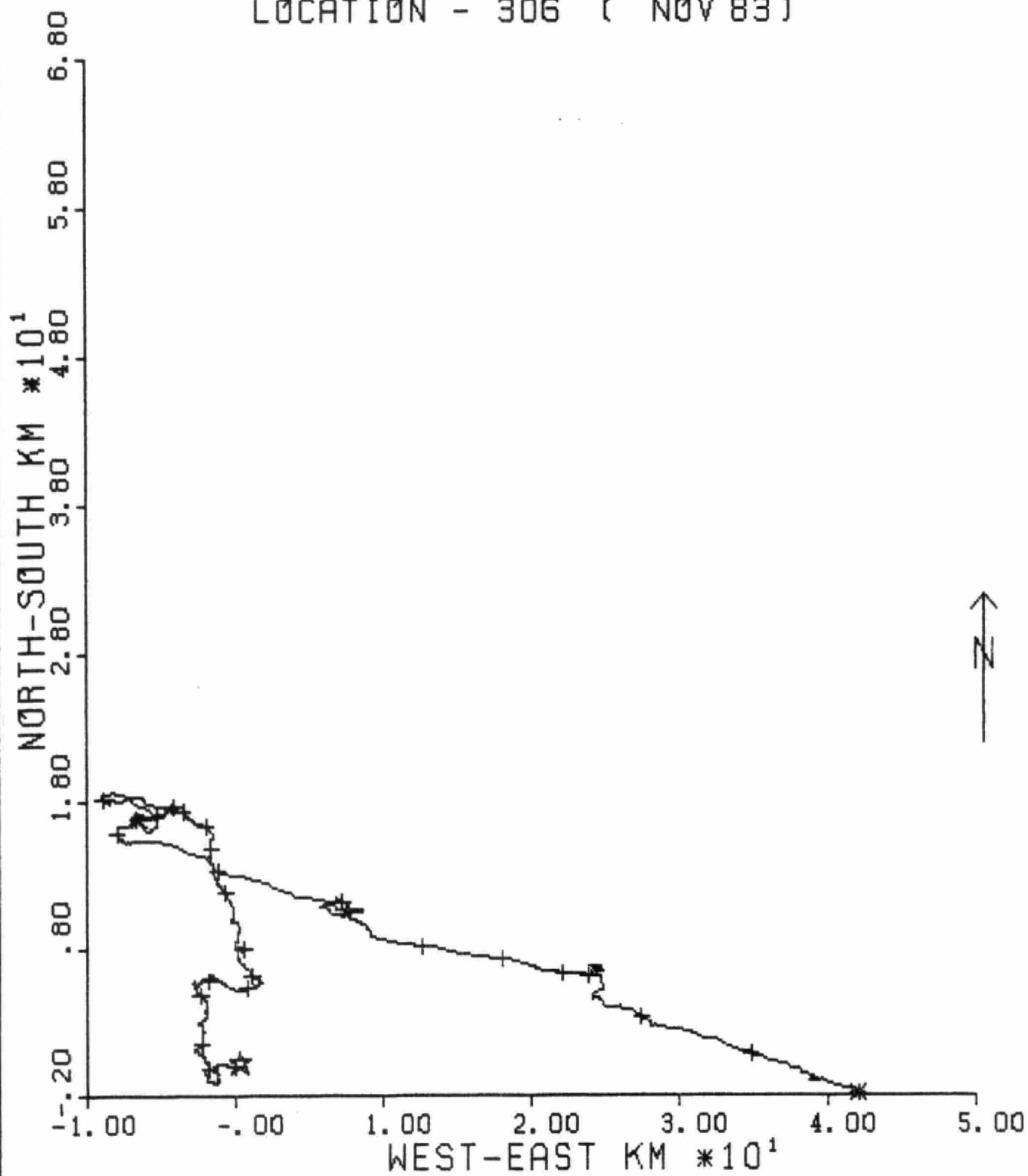


FIG.3.08: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( DEC 83 )

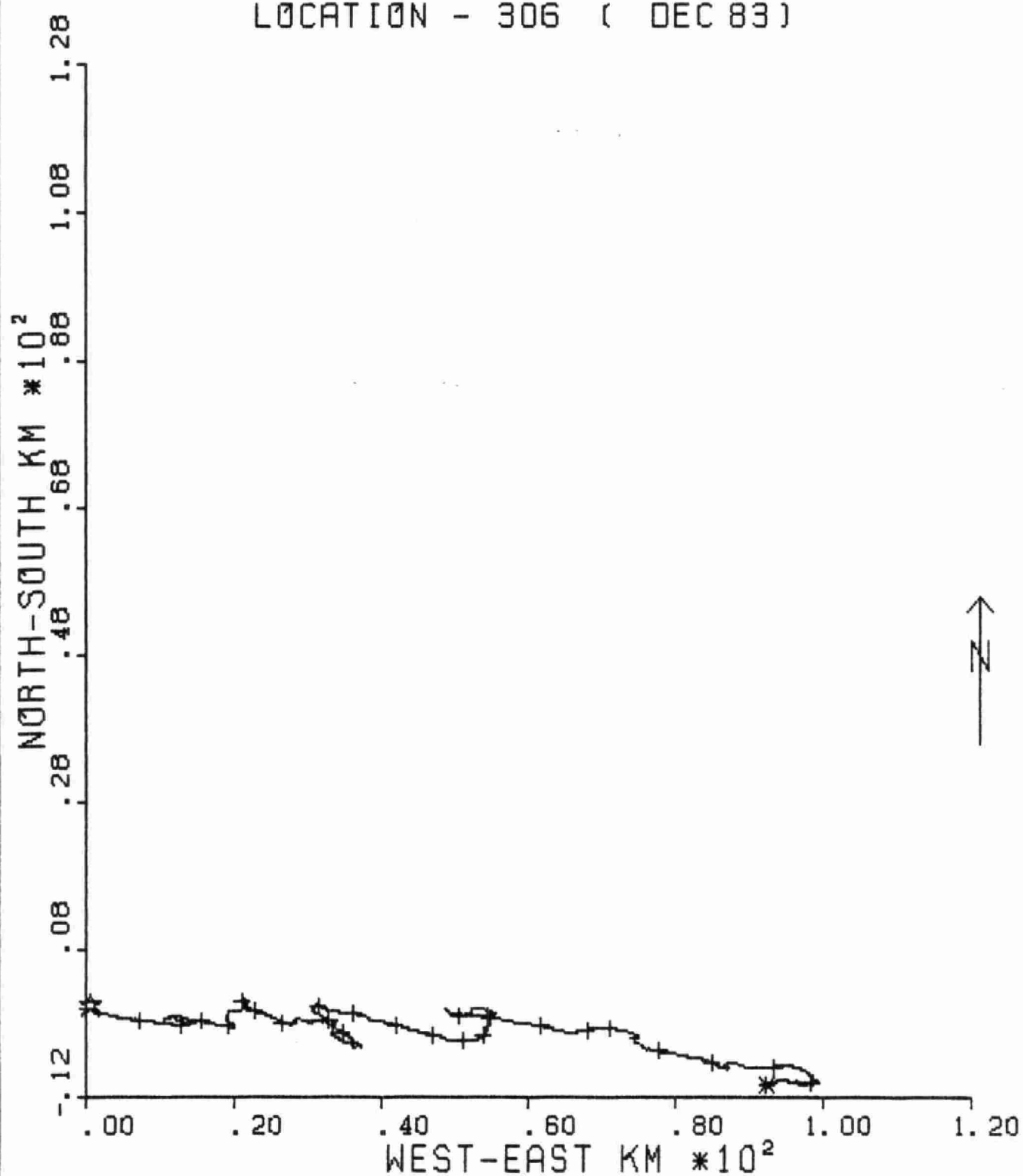


FIG.3.09: PROGRESSIVE VECTOR PLOT: ★ START AND \* END OF RECORD  
HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( JAN 84 )

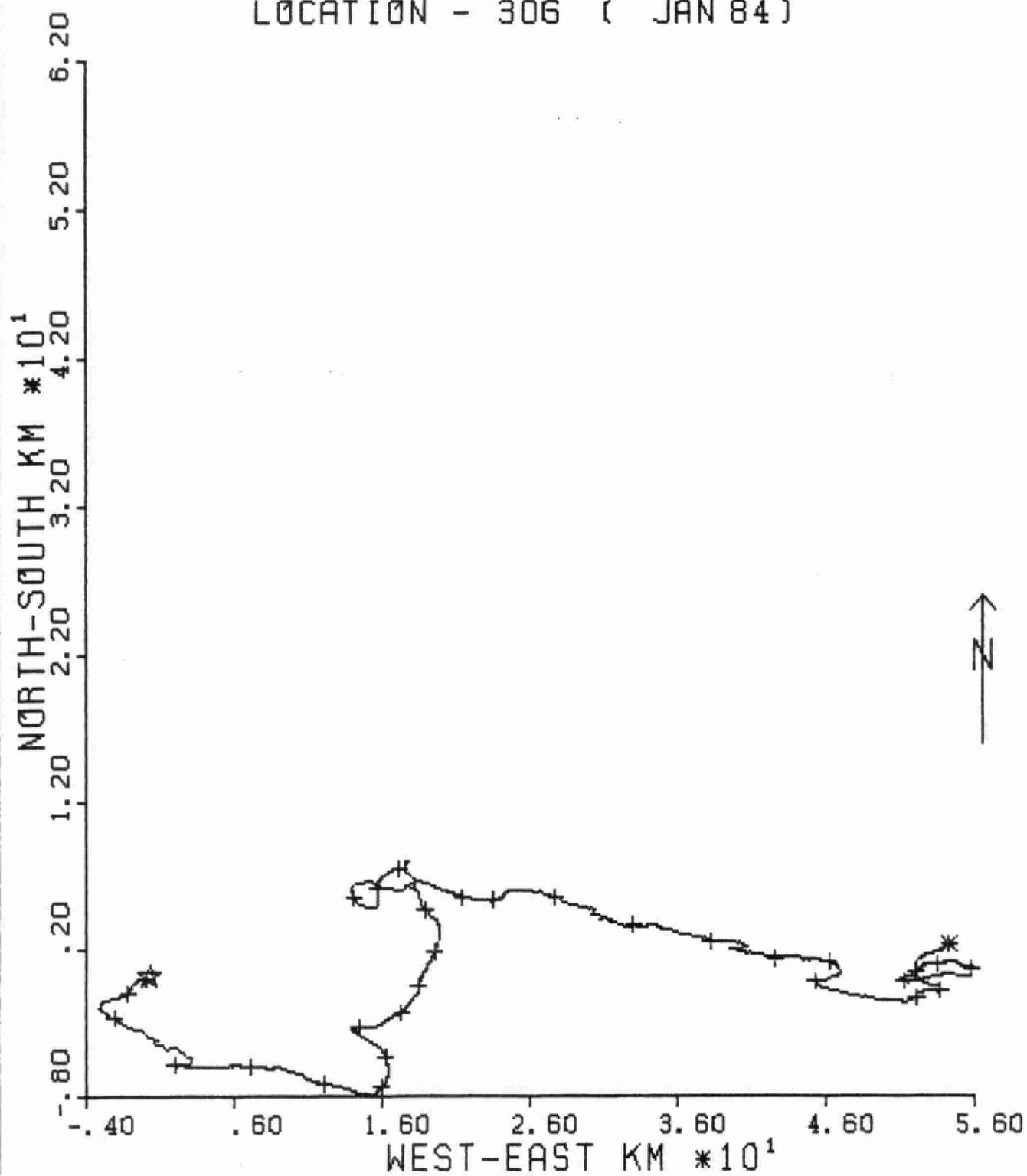


FIG.3.10: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( FEB 84 )

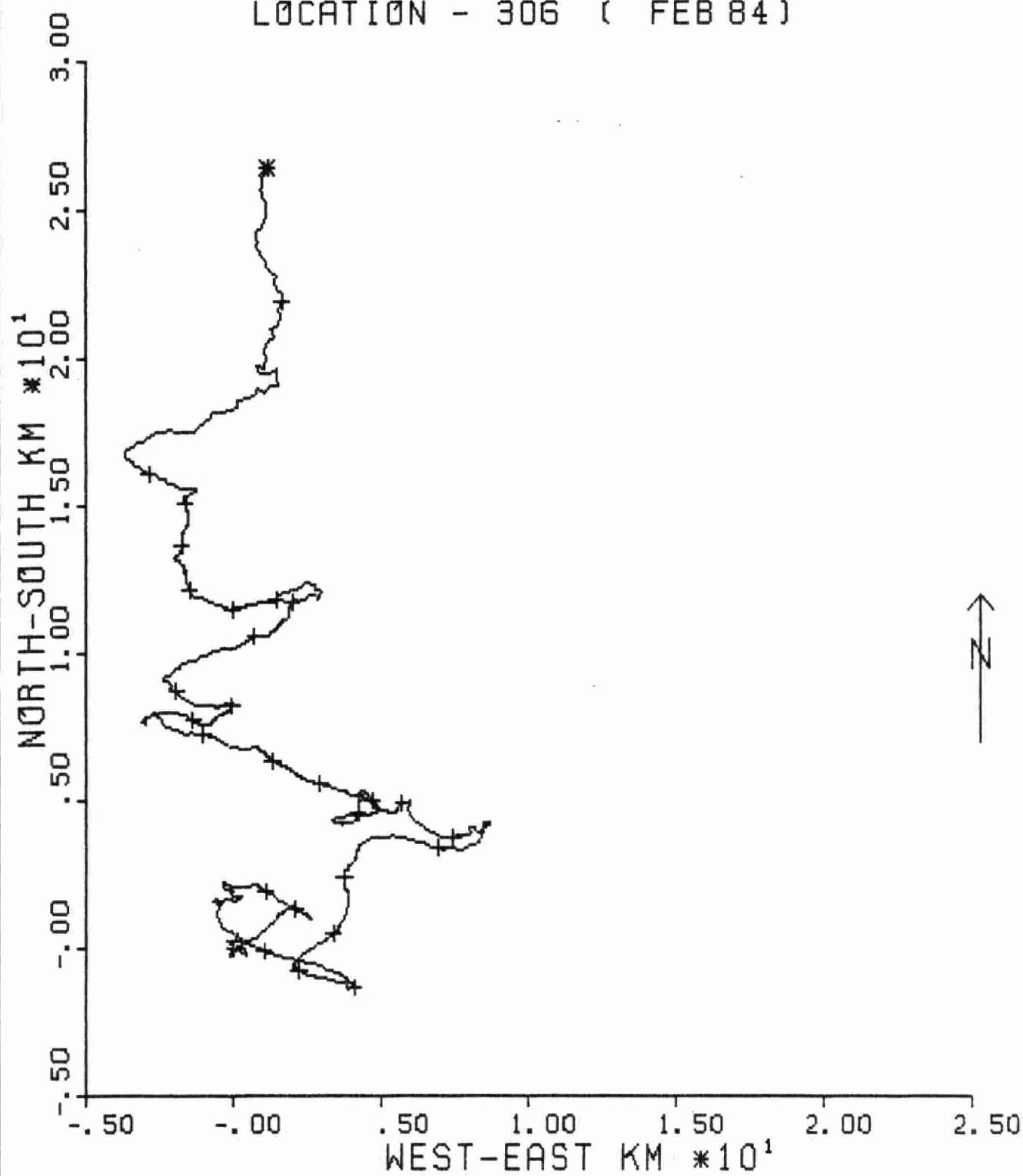


FIG.3.11: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( MAR 84 )

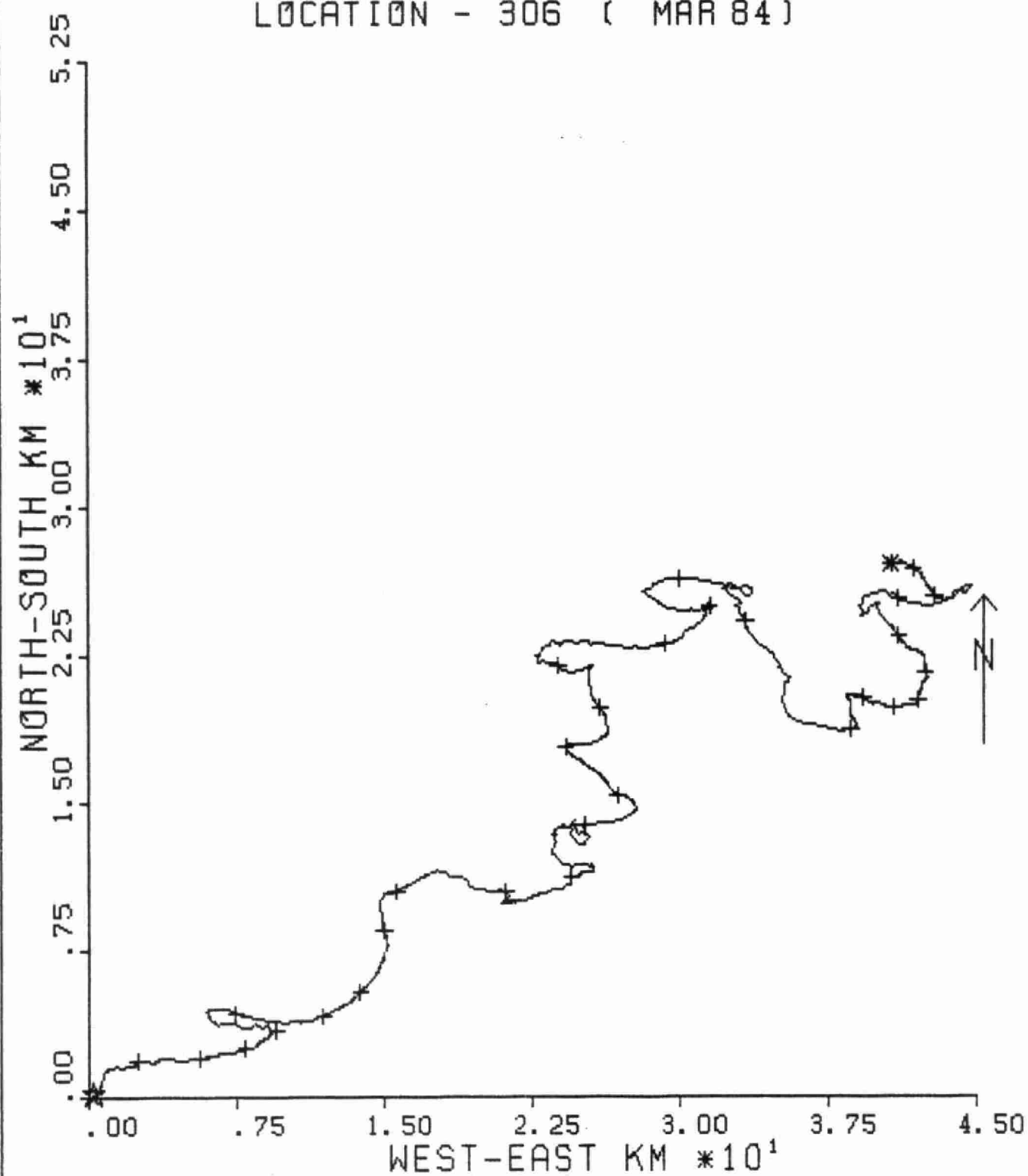


FIG.3.12: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( APR 84 )

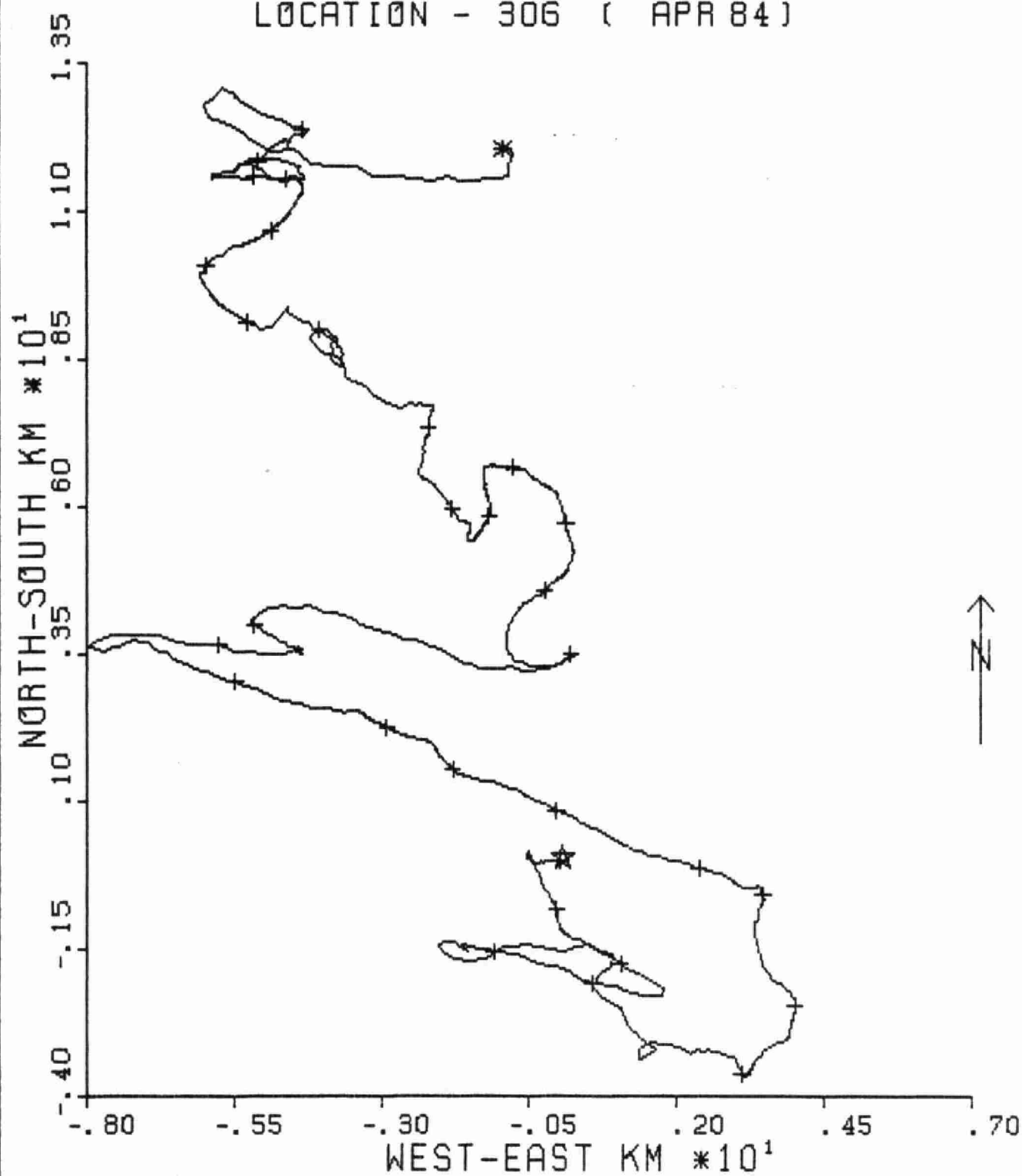


FIG.3.13: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BOULEVARD L. ONT.

LOCATION - 306 ( MAY 84 )

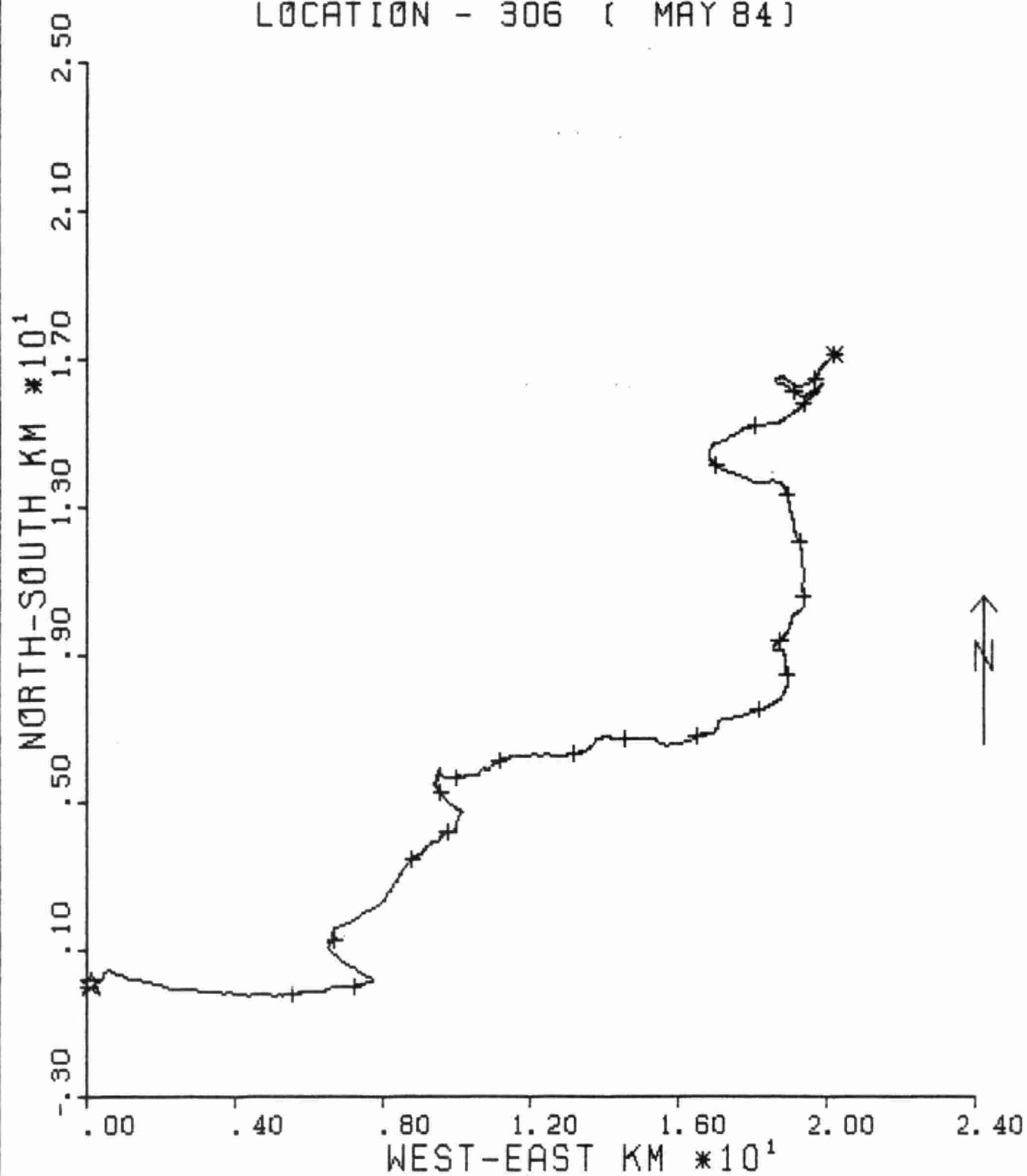


FIG.3.14: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BOULEVARD L. ONT.

LOCATION - 307 ( AUG 83 )

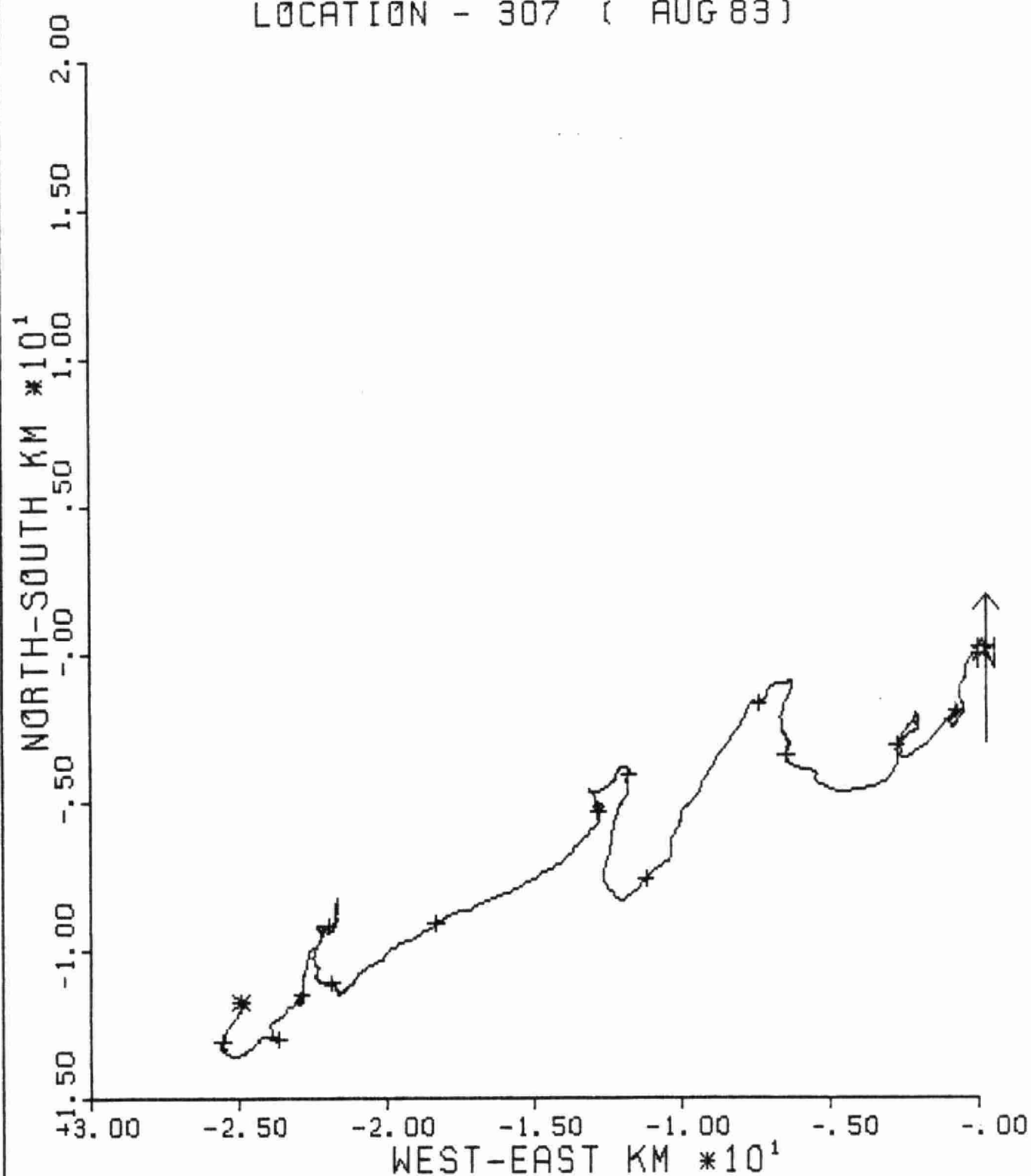


FIG.3.15: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUM. BAY-RIVER MOUTH L. ONT



LOCATION - 307 ( SEP 83 )

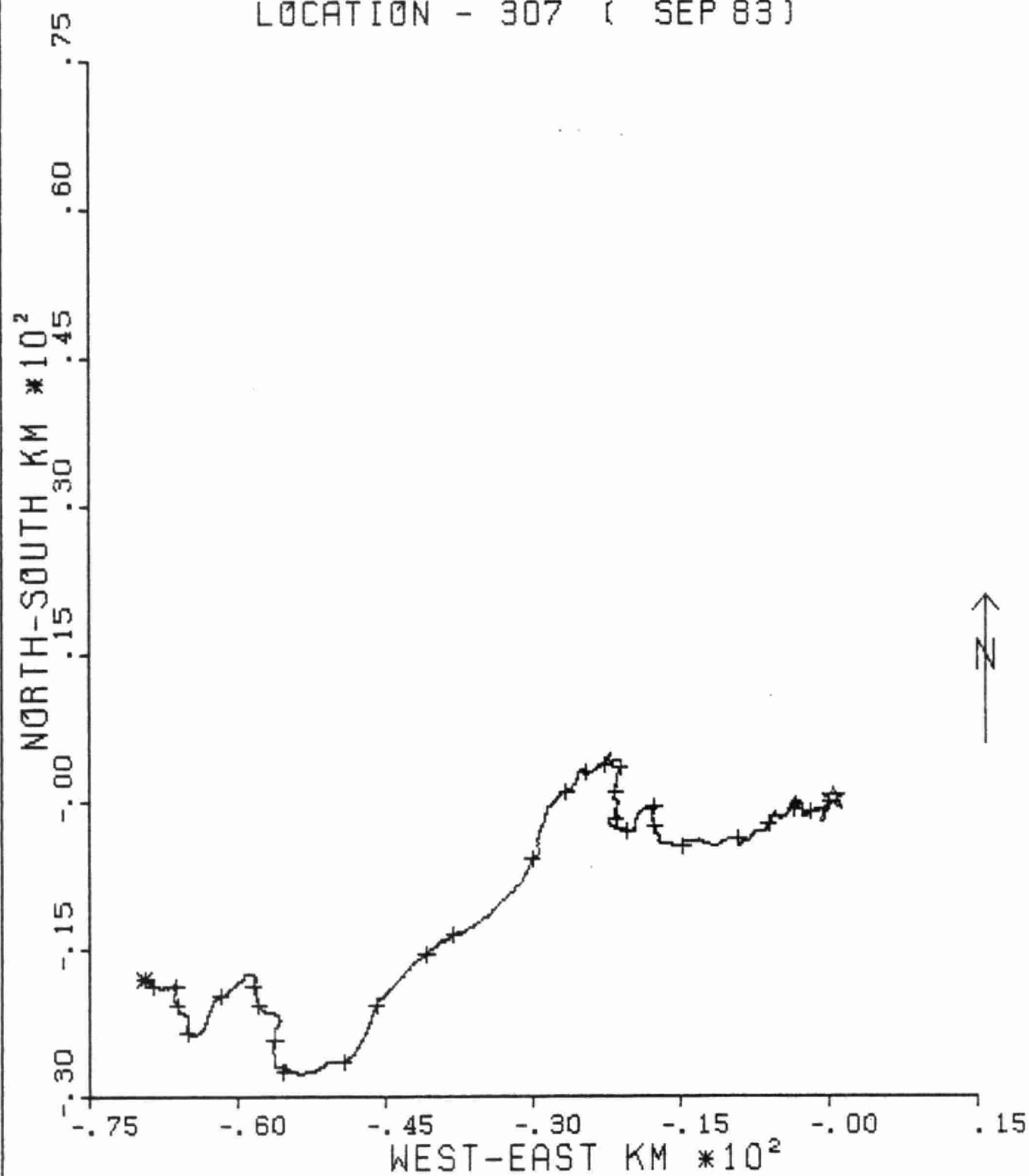


FIG.3.16: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUM. BAY-RIVER MOUTH L. ONT

LOCATION - 307 ( OCT 83)

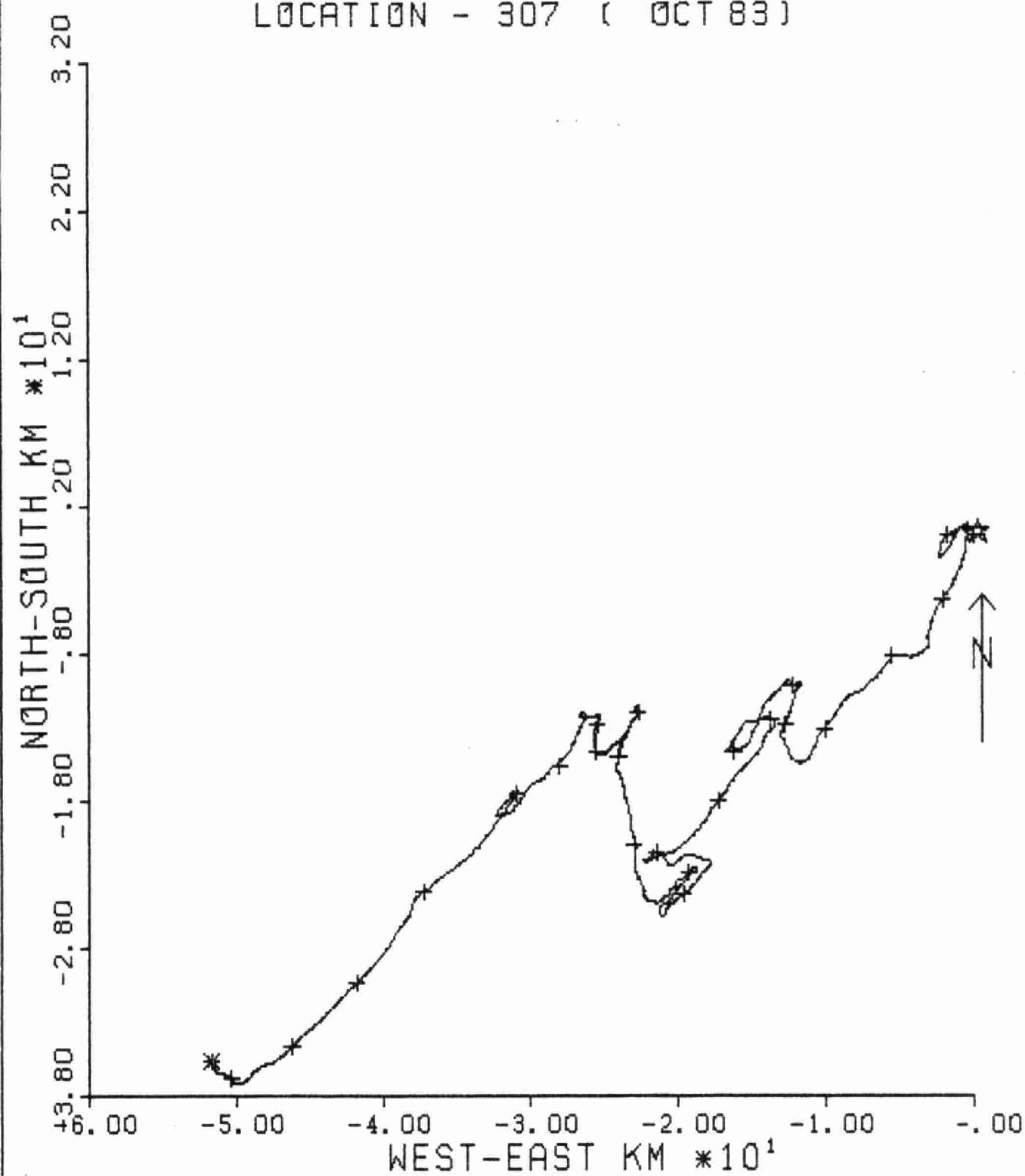


FIG.3.17: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUM. BAY-RIVER MOUTH L.ONT

LOCATION - 307 ( NOV 83)

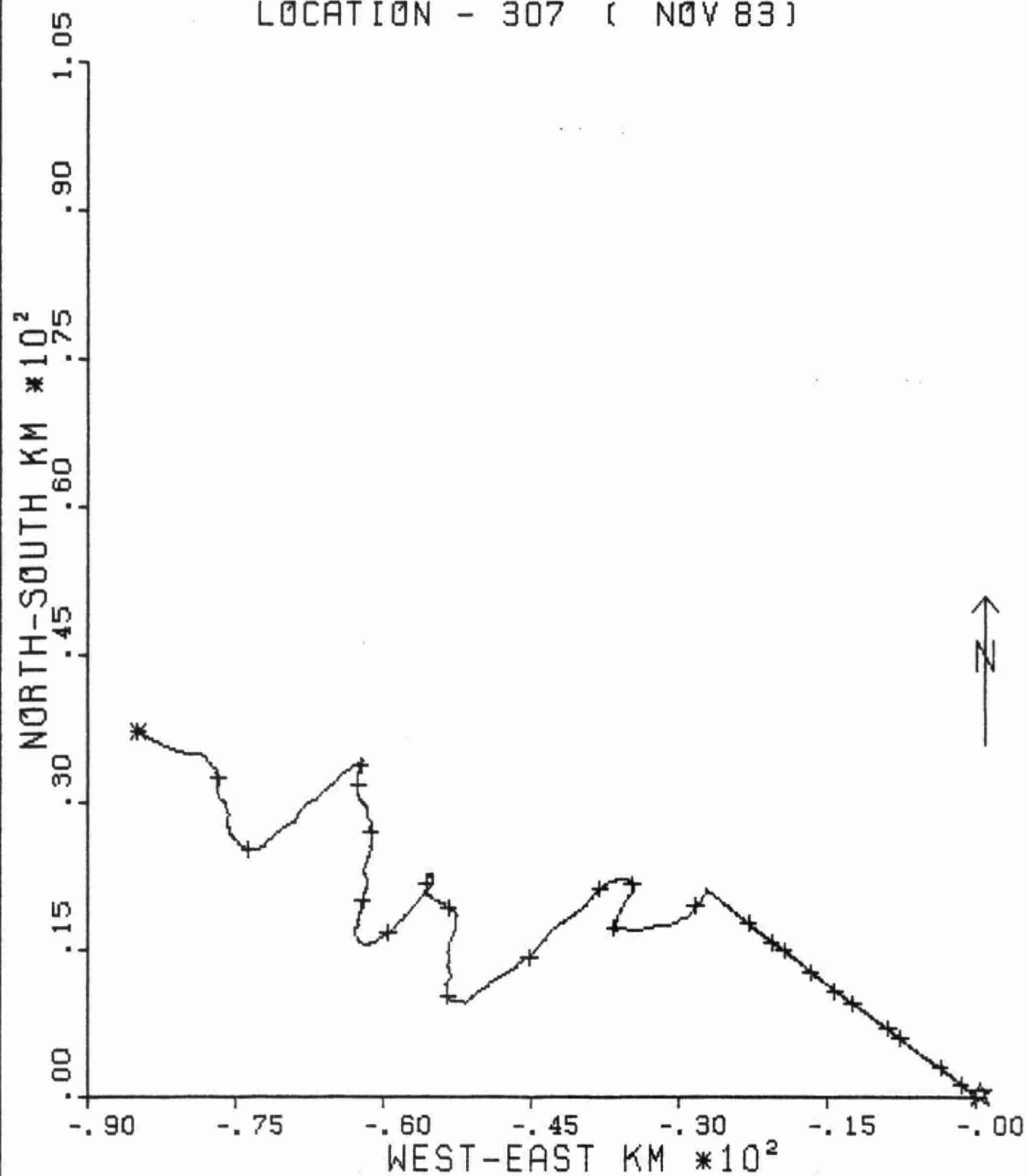


FIG.3.18: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER RIVER L. ONT.

LOCATION - 307 ( DEC 83 )

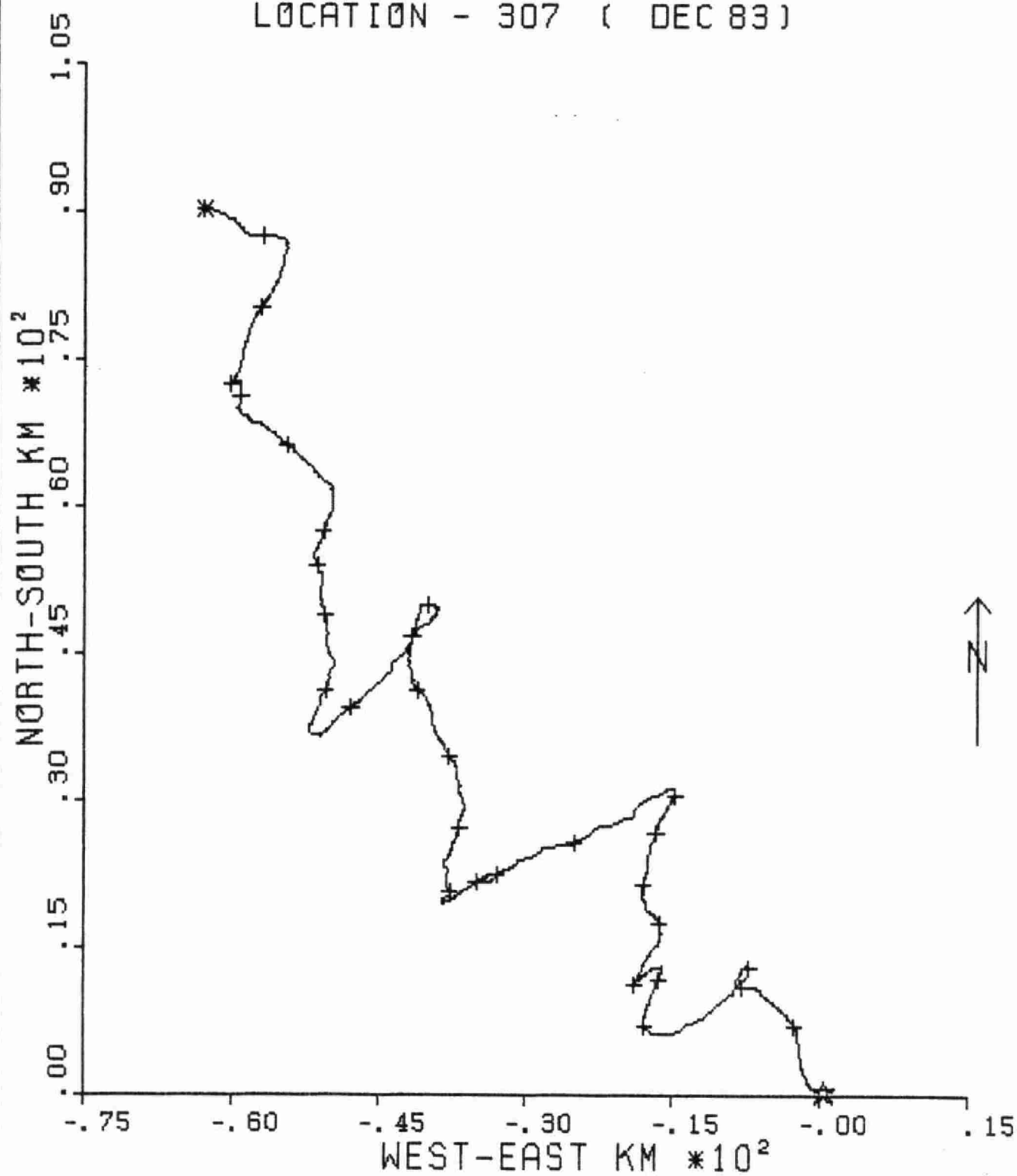


FIG.3.19: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER RIVER L. ONT.

LOCATION - 307 ( JAN 84 )

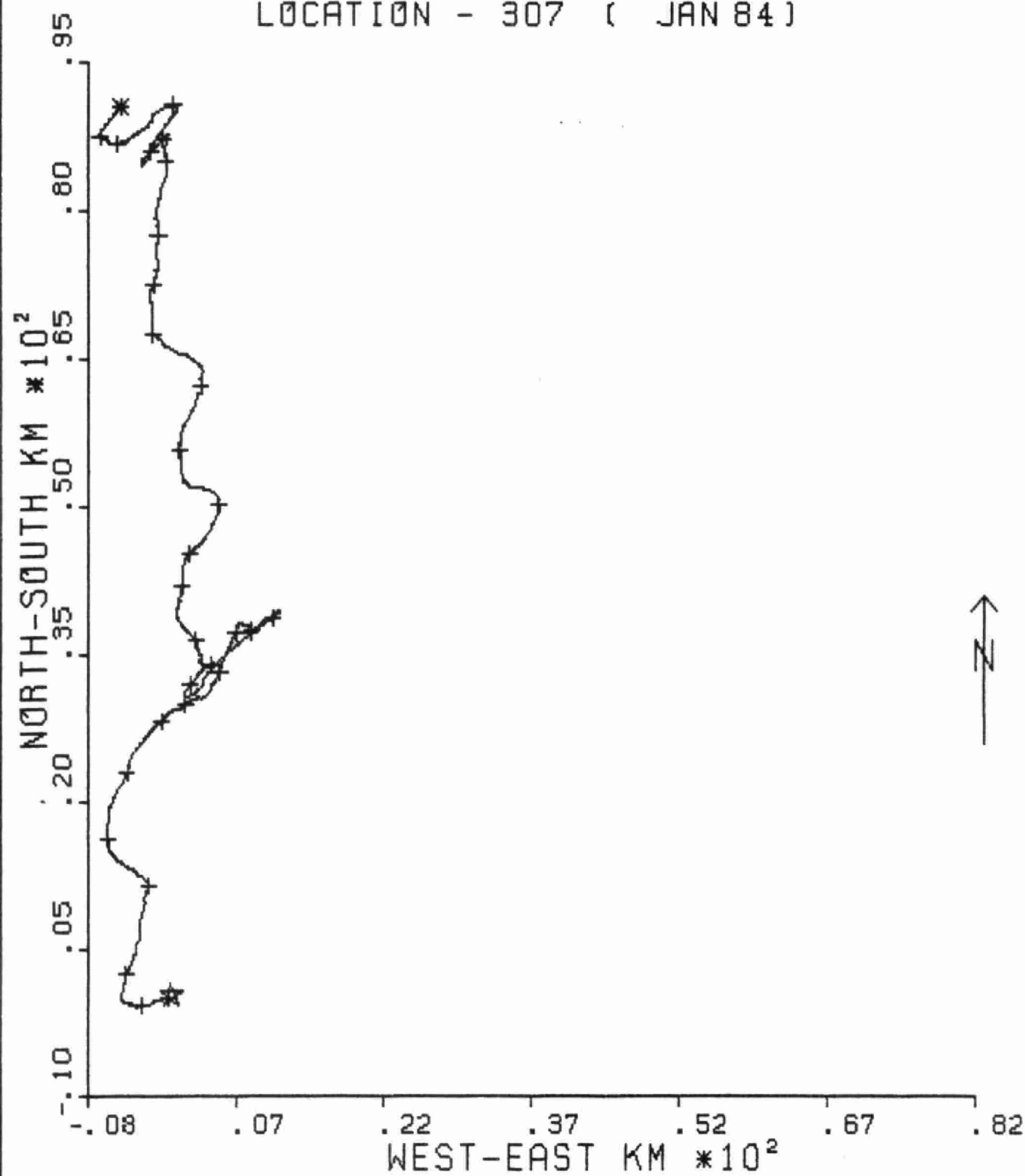


FIG.3.20: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER RIVER L. ONT.

LOCATION - 307 ( FEB 84 )

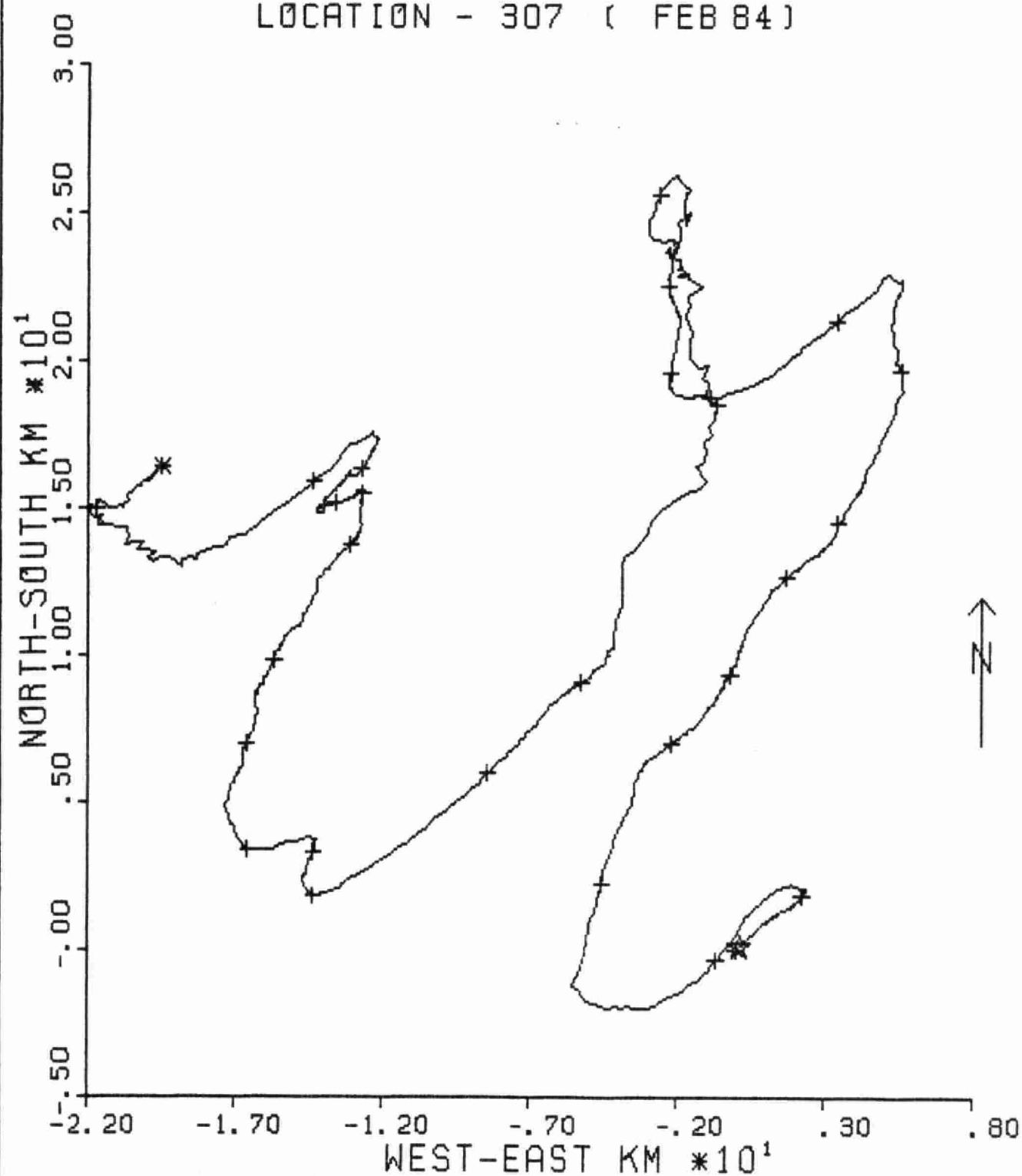


FIG.3.21: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER RIVER L. ONT.

LOCATION - 307 ( MAR 84 )

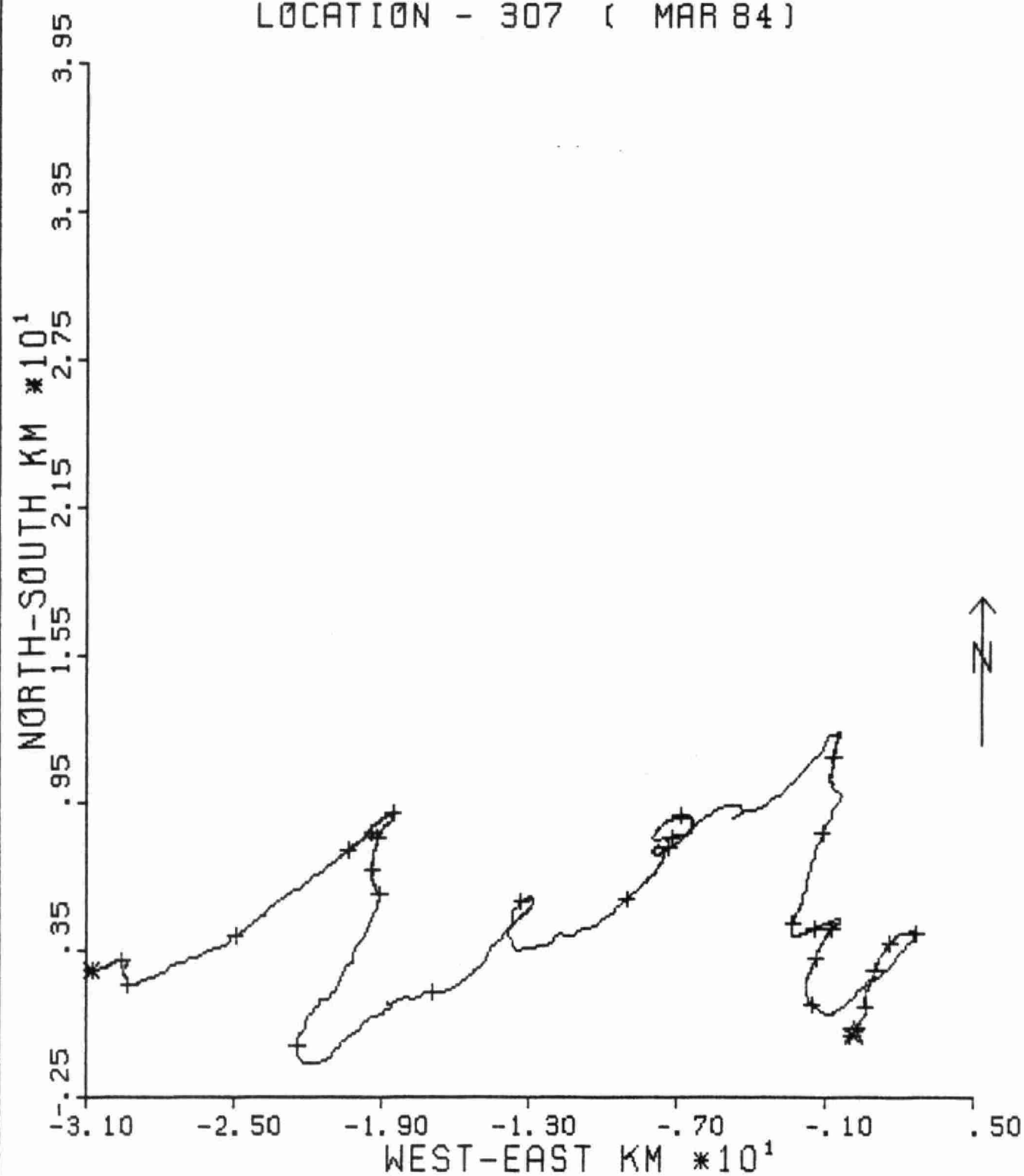


FIG.3.22: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD HUMBER RIVER L. ONT.

LOCATION - 307 ( APR 84 )

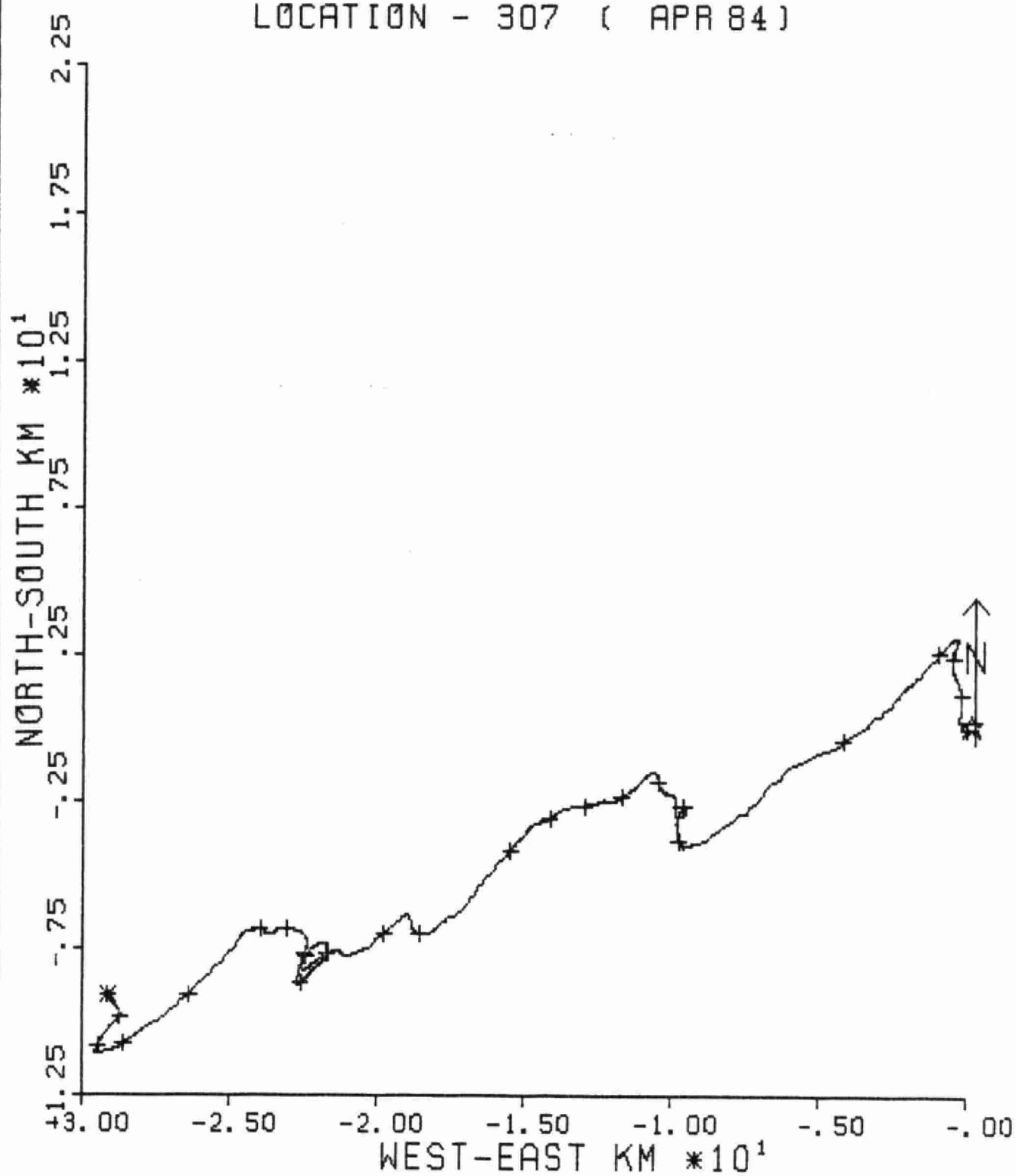


FIG.3.33: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD HUMBER RIVER L. ONT.



LOCATION - 308 ( AUG 83 )

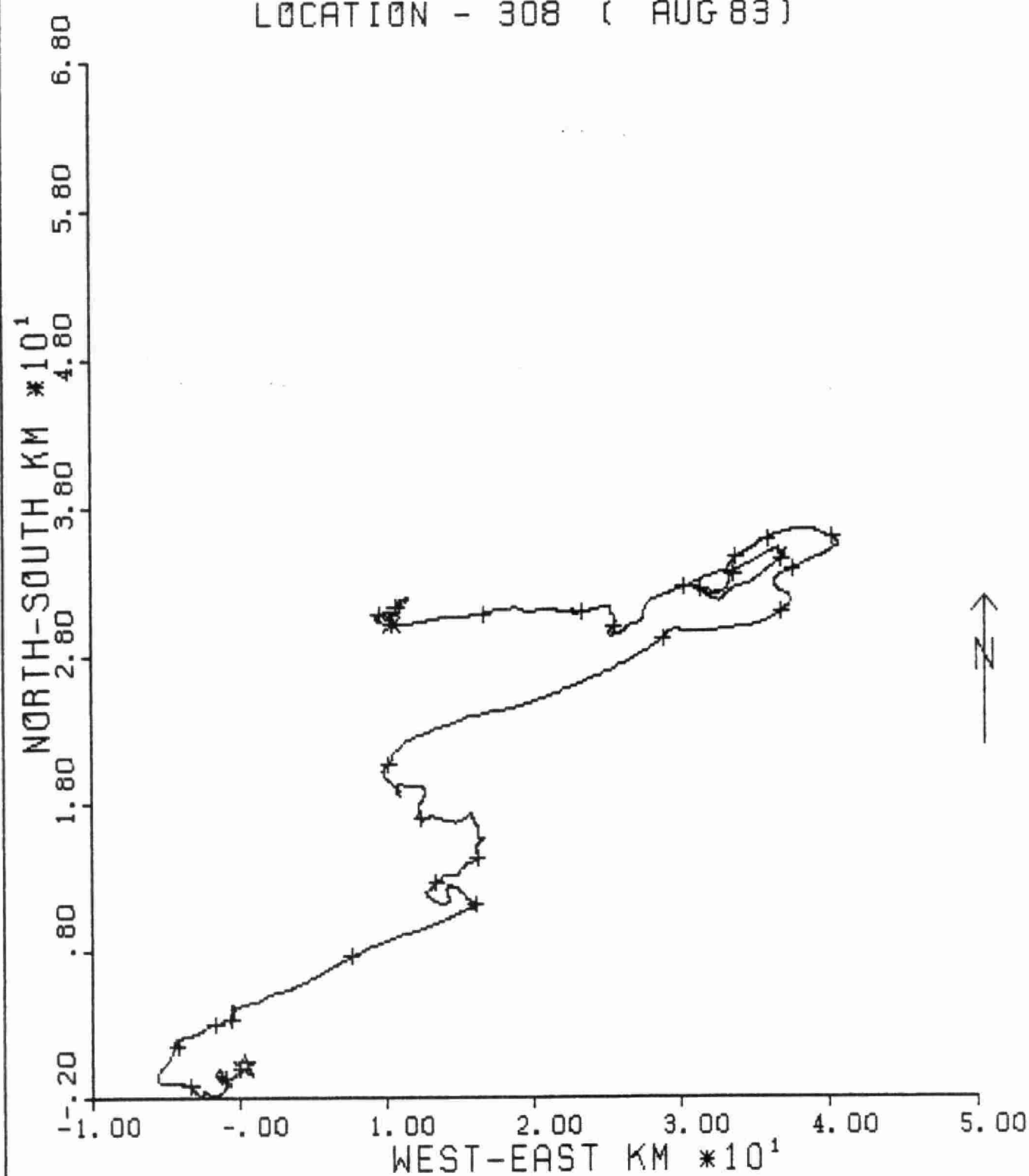


FIG.3.24: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY-MIDDLE L.ONT

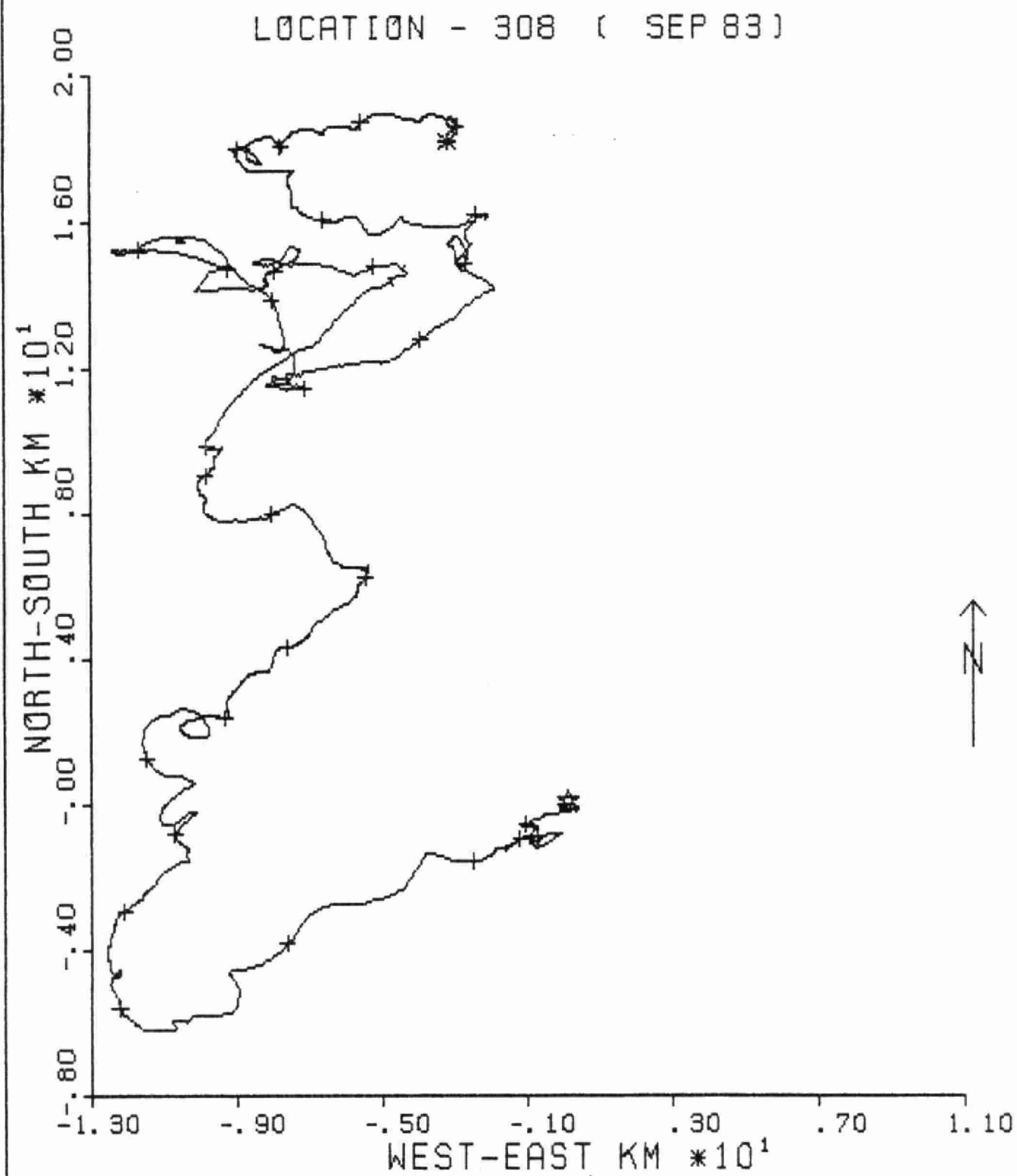


FIG.3.25: PROGRESSIVE VECTOR PLOT: ☆ START AND ☆ END OF RECORD  
 HUMBER BAY-MIDDLE L. ONT

LOCATION - 308 ( OCT 83 )

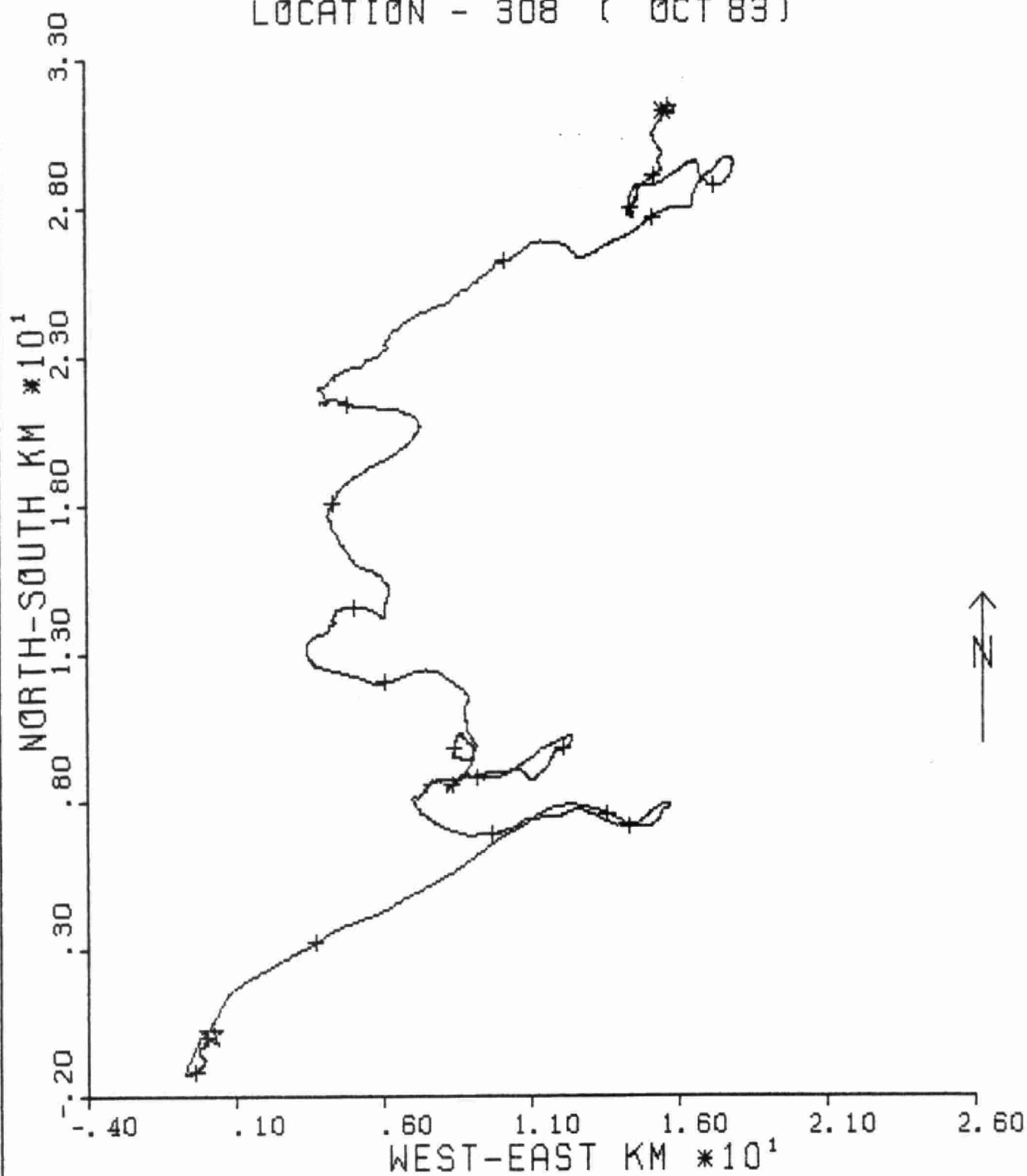


FIG.3.26: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY-MIDDLE L.ONT

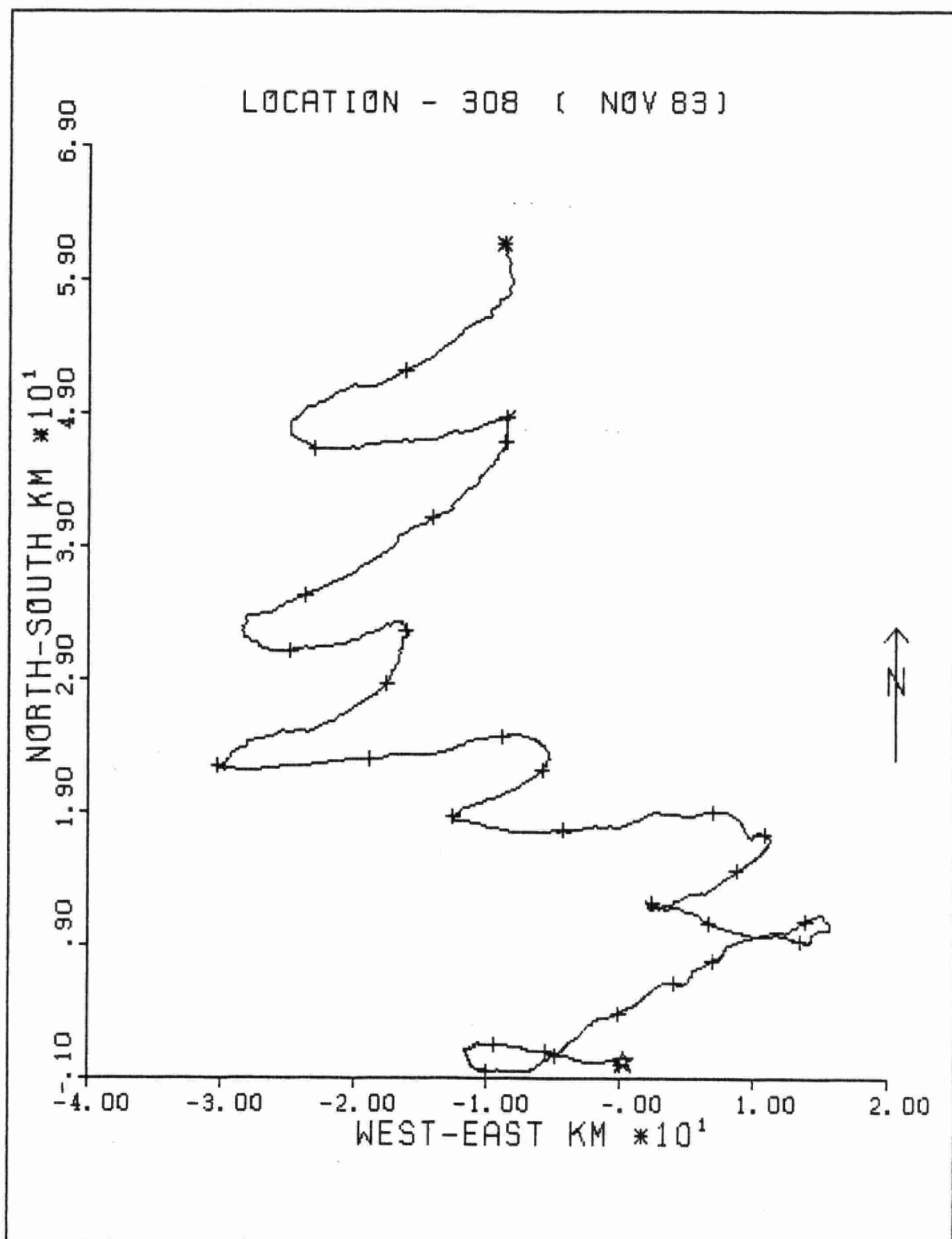


FIG.3.27: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( DEC 83 )

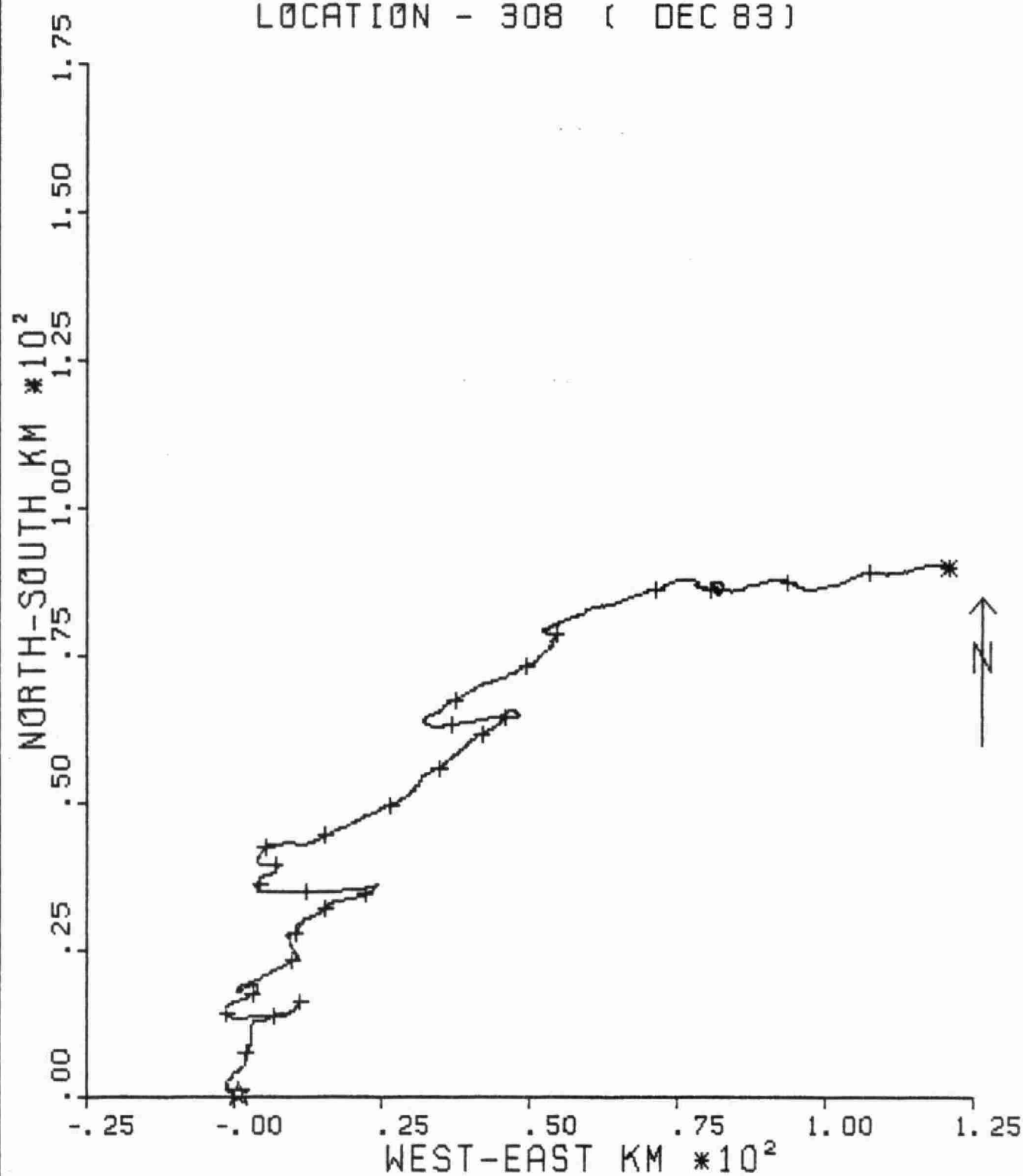


FIG.3.28: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( JAN 84 )

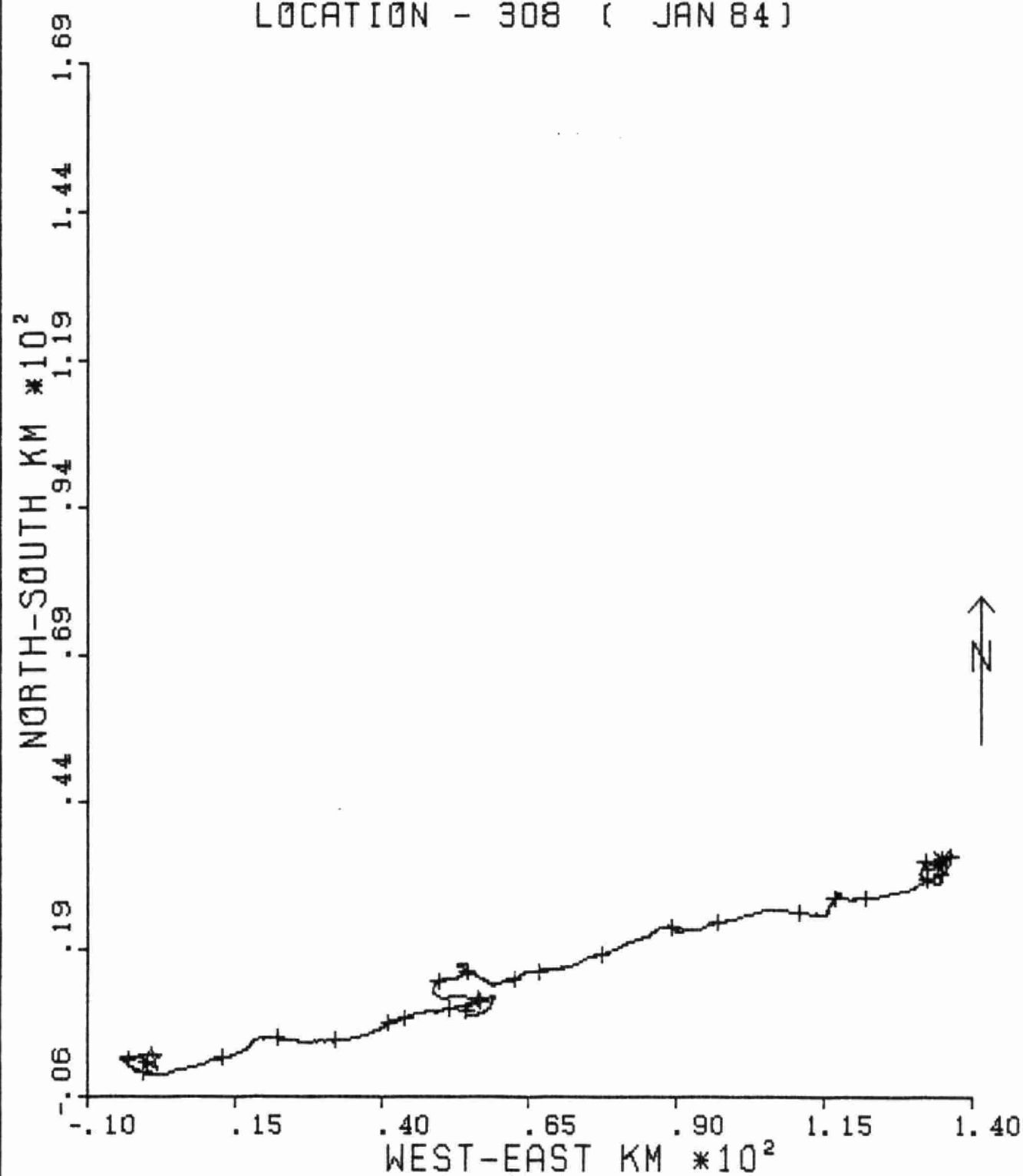


FIG.3.29: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( FEB 84 )

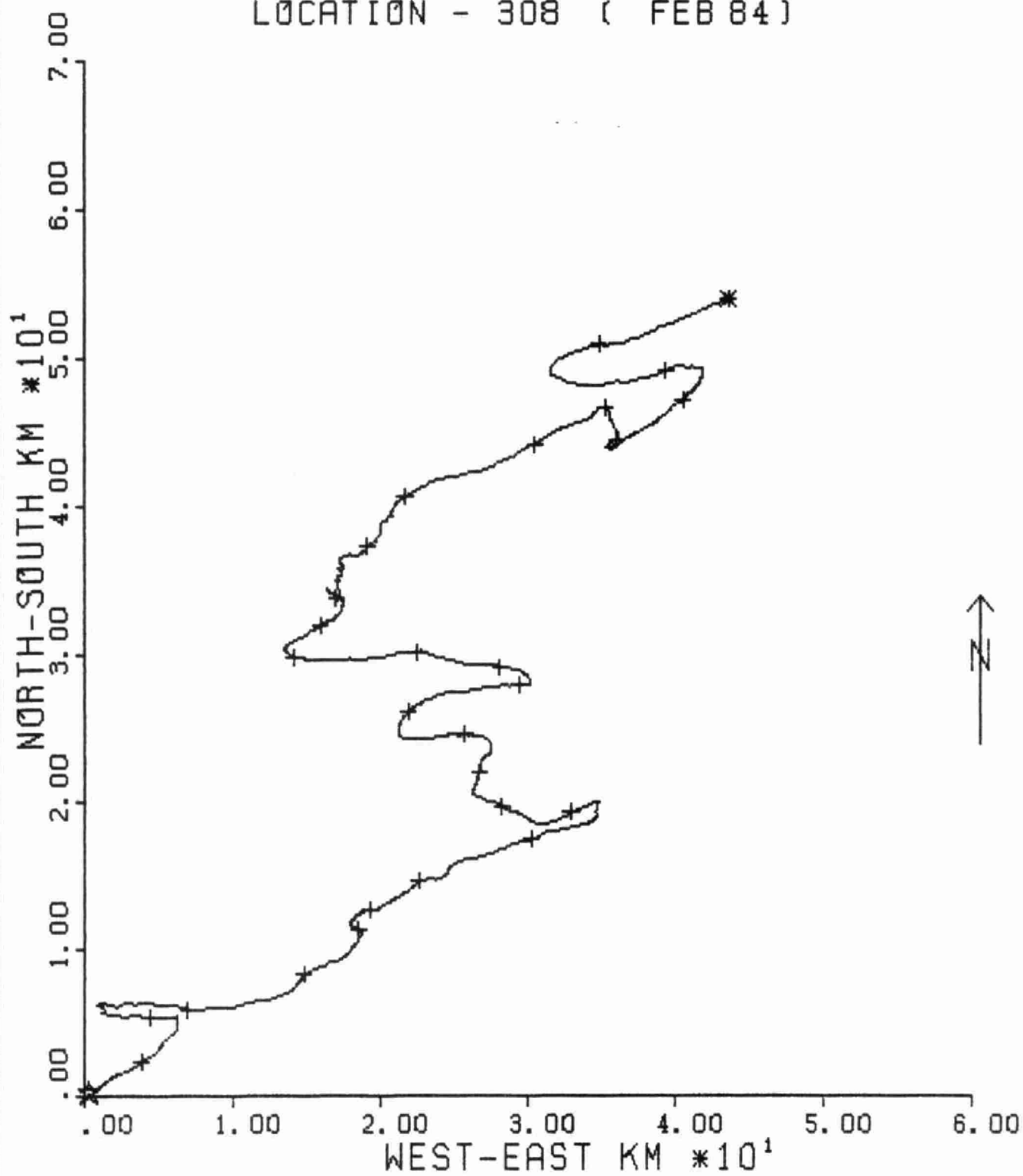


FIG.3.30: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( MAR 84 )

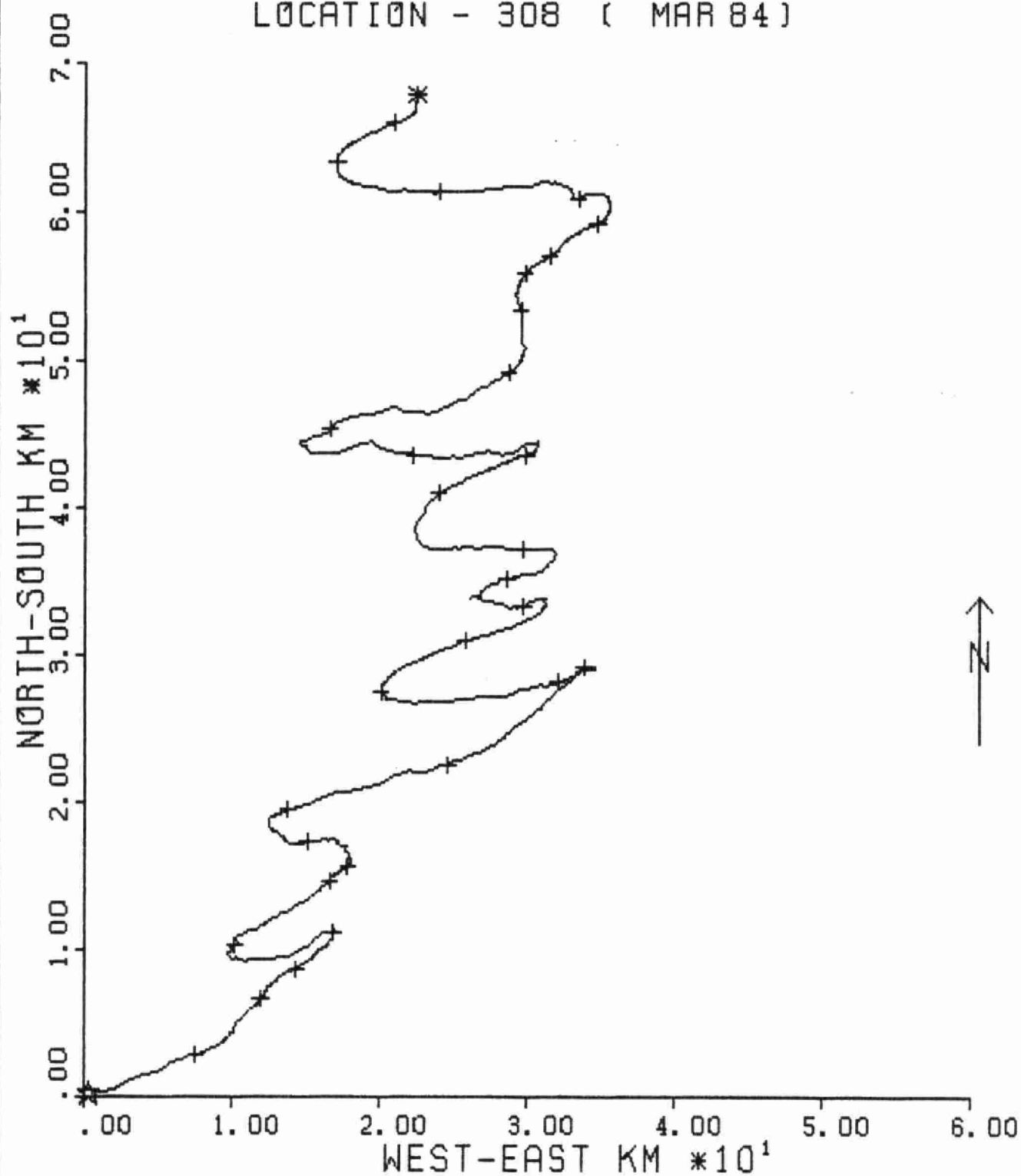


FIG.3.31: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY CENTER L. ONT.



LOCATION - 308 ( APR 84)

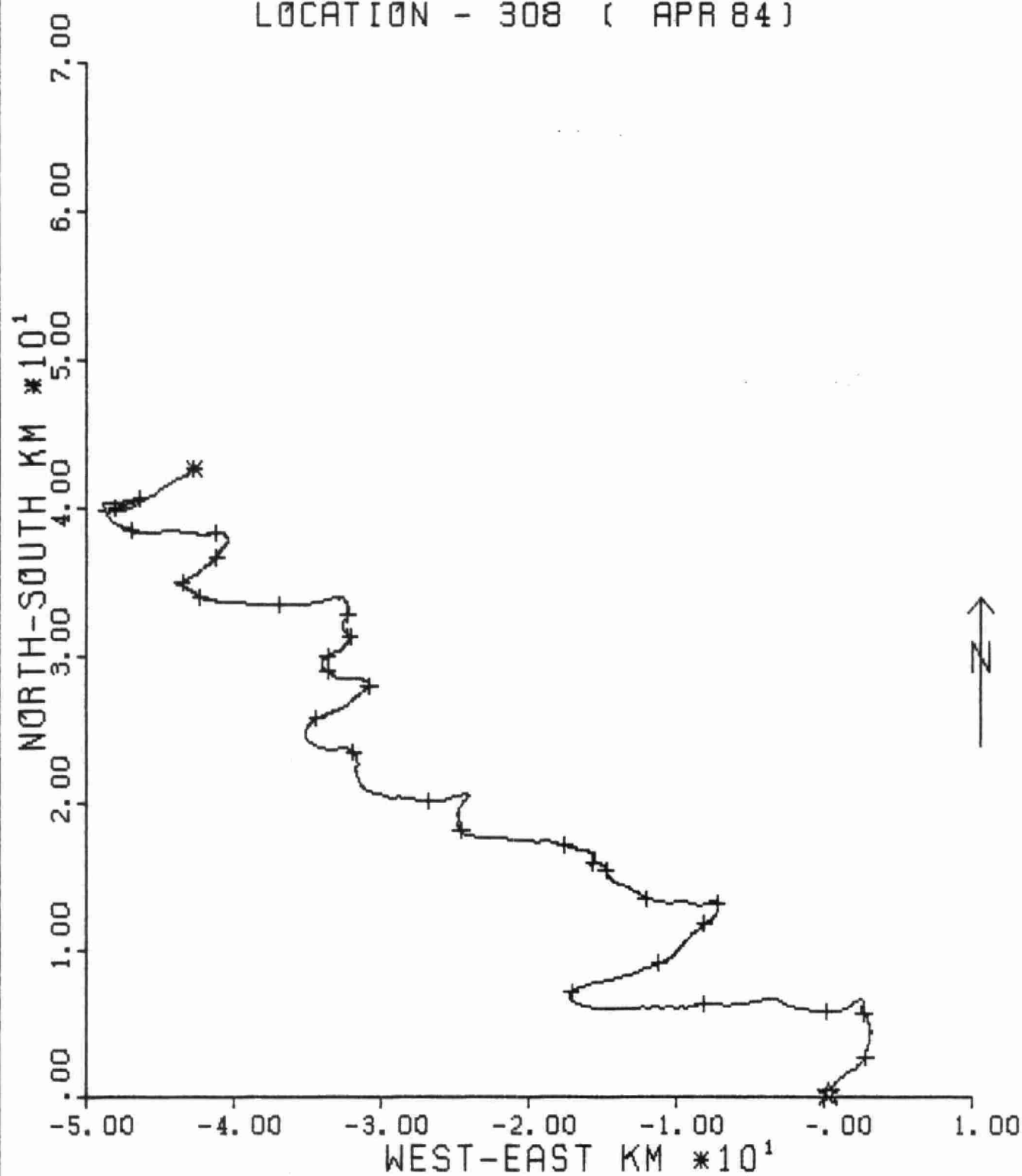


FIG.3.32: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY CENTER L. ONT.

LOCATION - 308 ( MAY 84 )

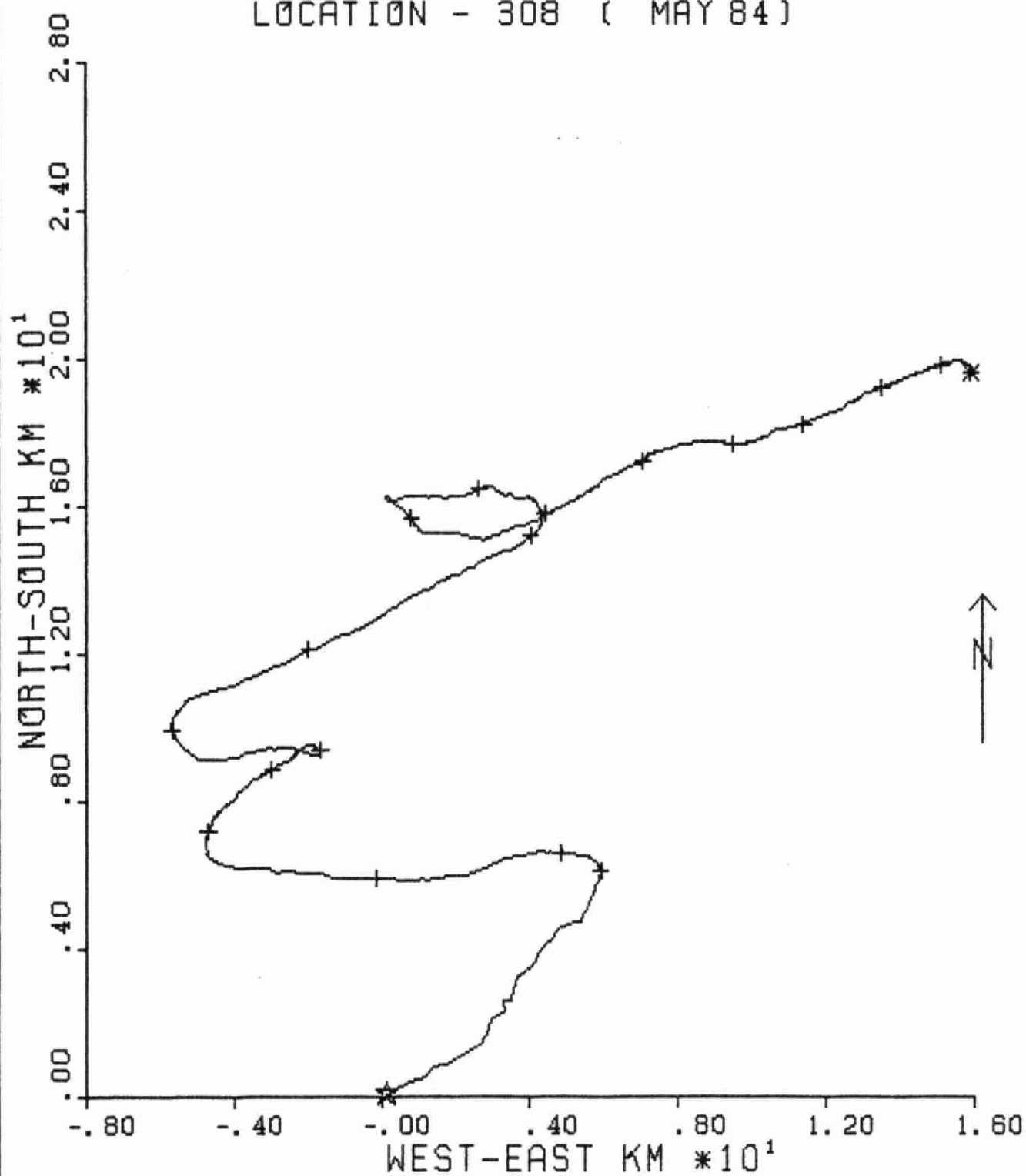


FIG.3.33 PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY CENTER L. ONT.

LOCATION - 309 ( JUL 83)

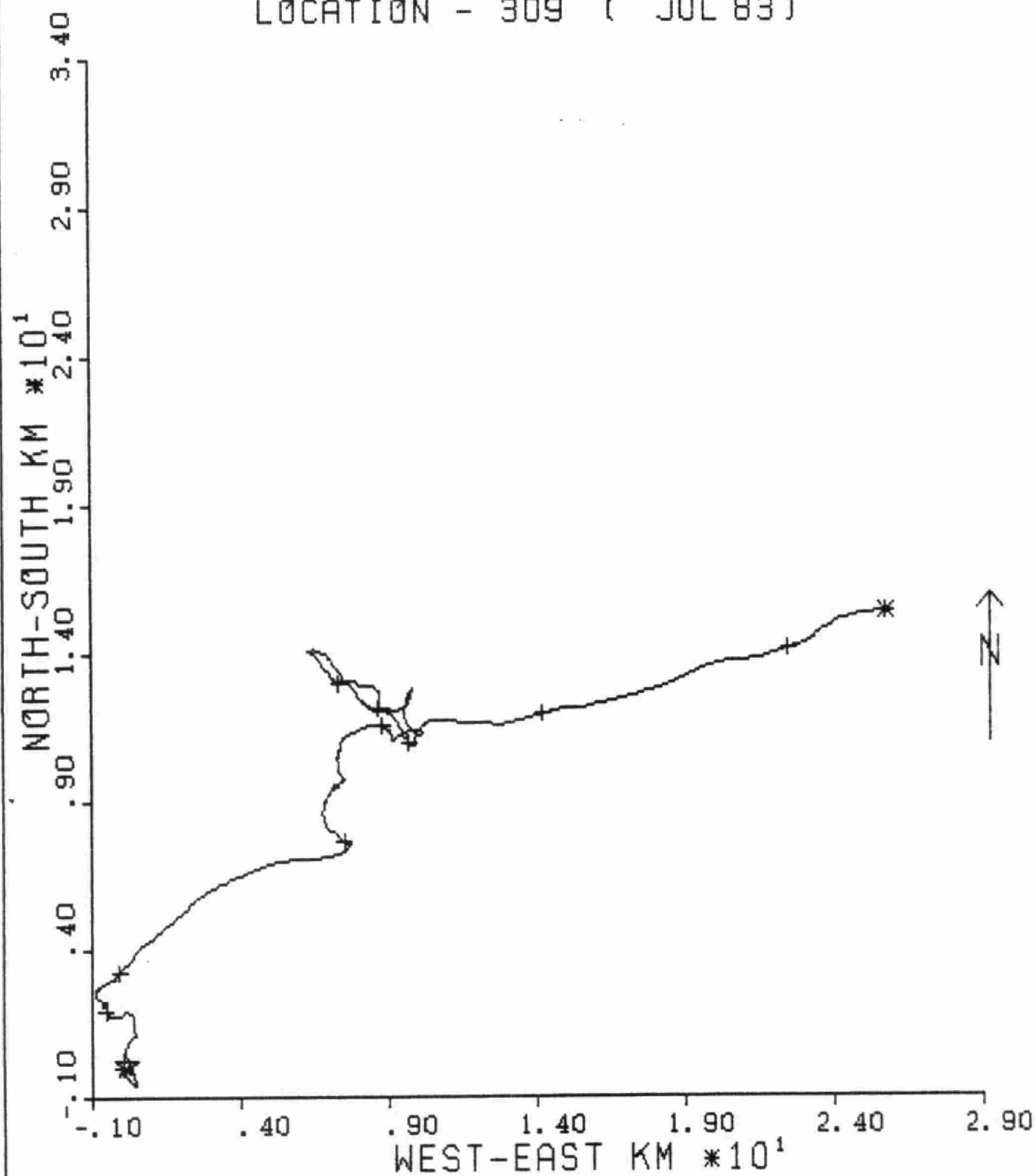


FIG.3.34: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( AUG 83 )

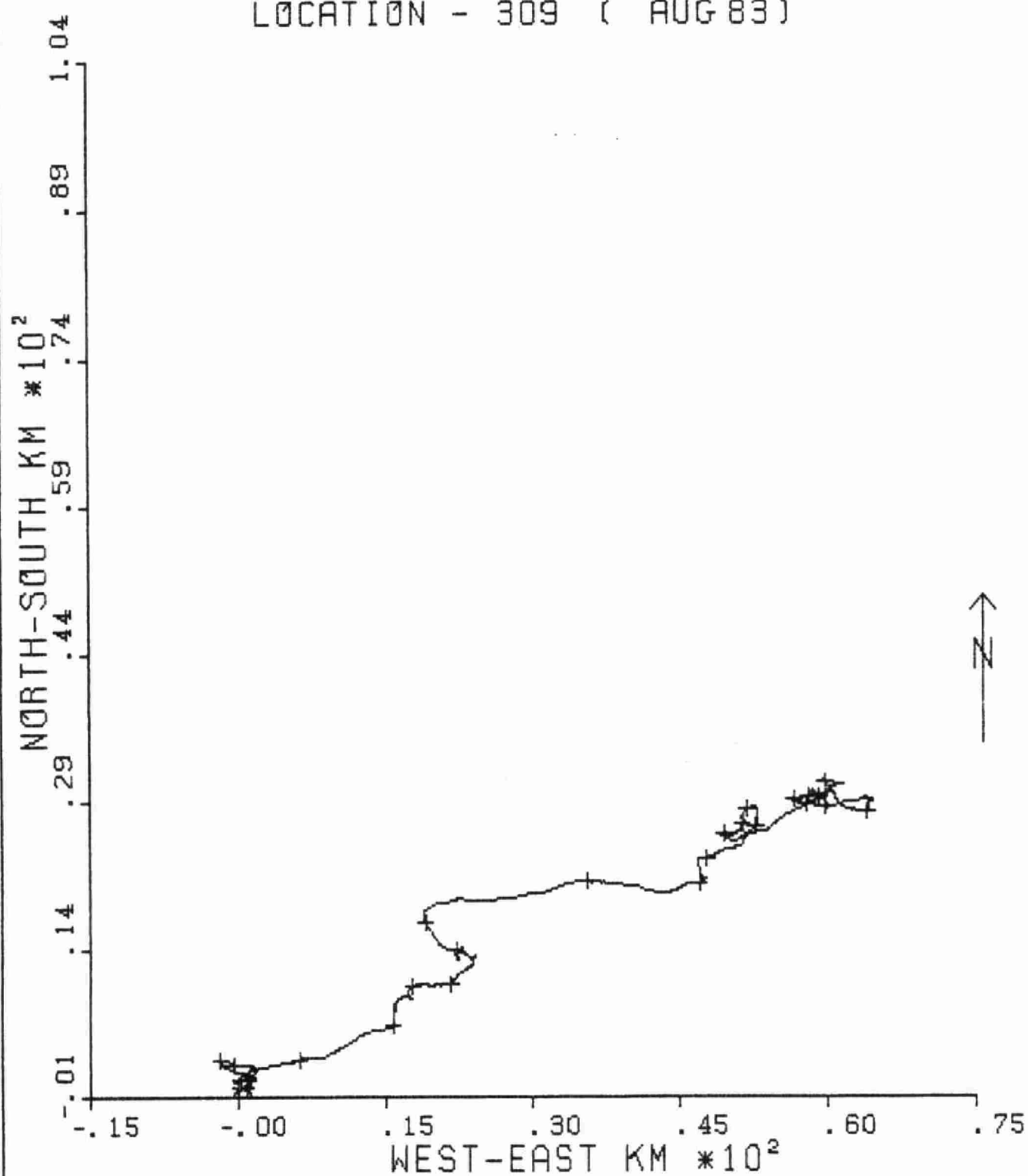


FIG.3.35: PROGRESSIVE VECTOR PLOT: + START AND \* END OF RECORD  
HUMBER BAY-OFFSHORE "L. ONT

LOCATION - 309 ( SEP 83 )

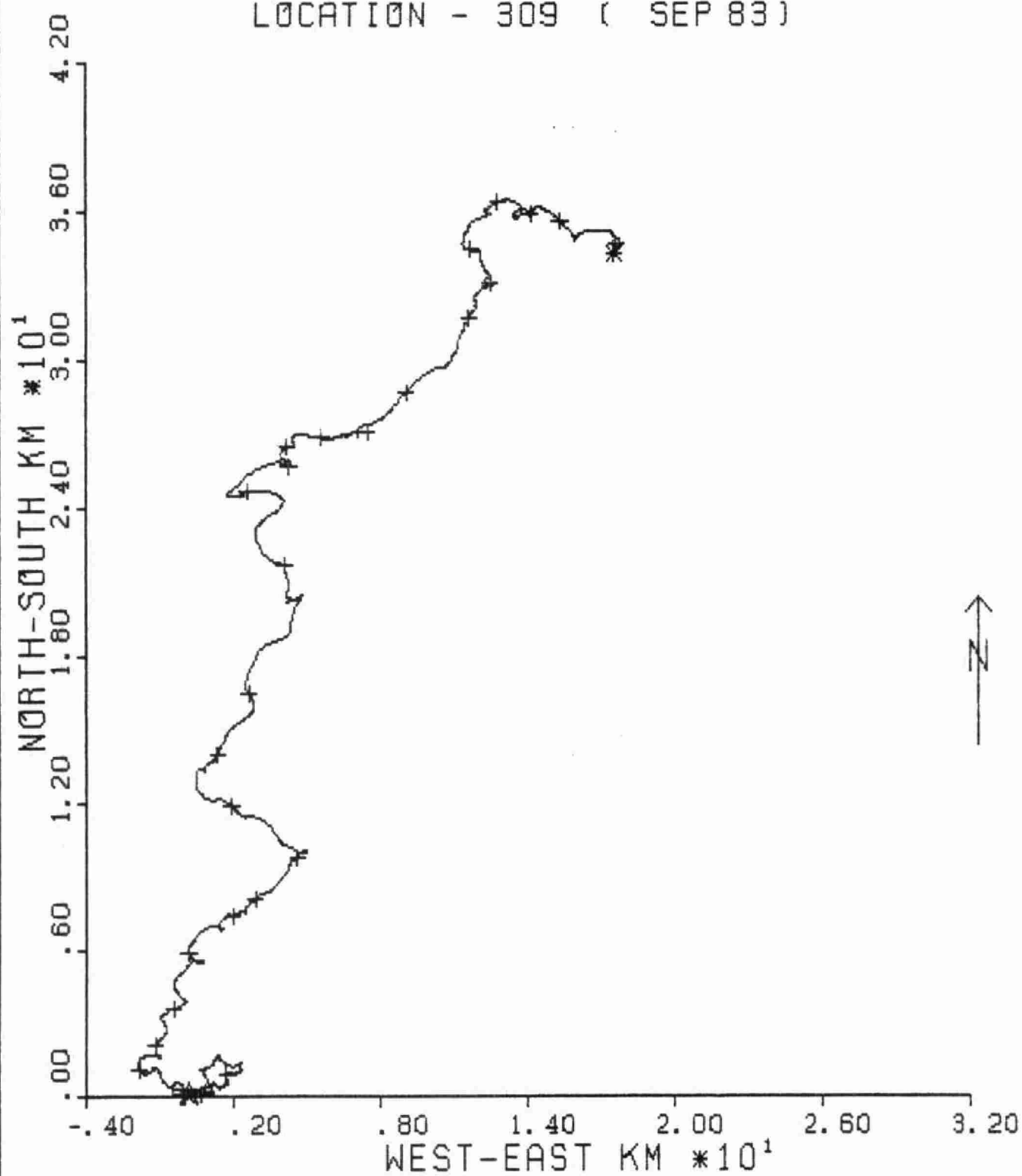


FIG.3.36: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( OCT 83 )

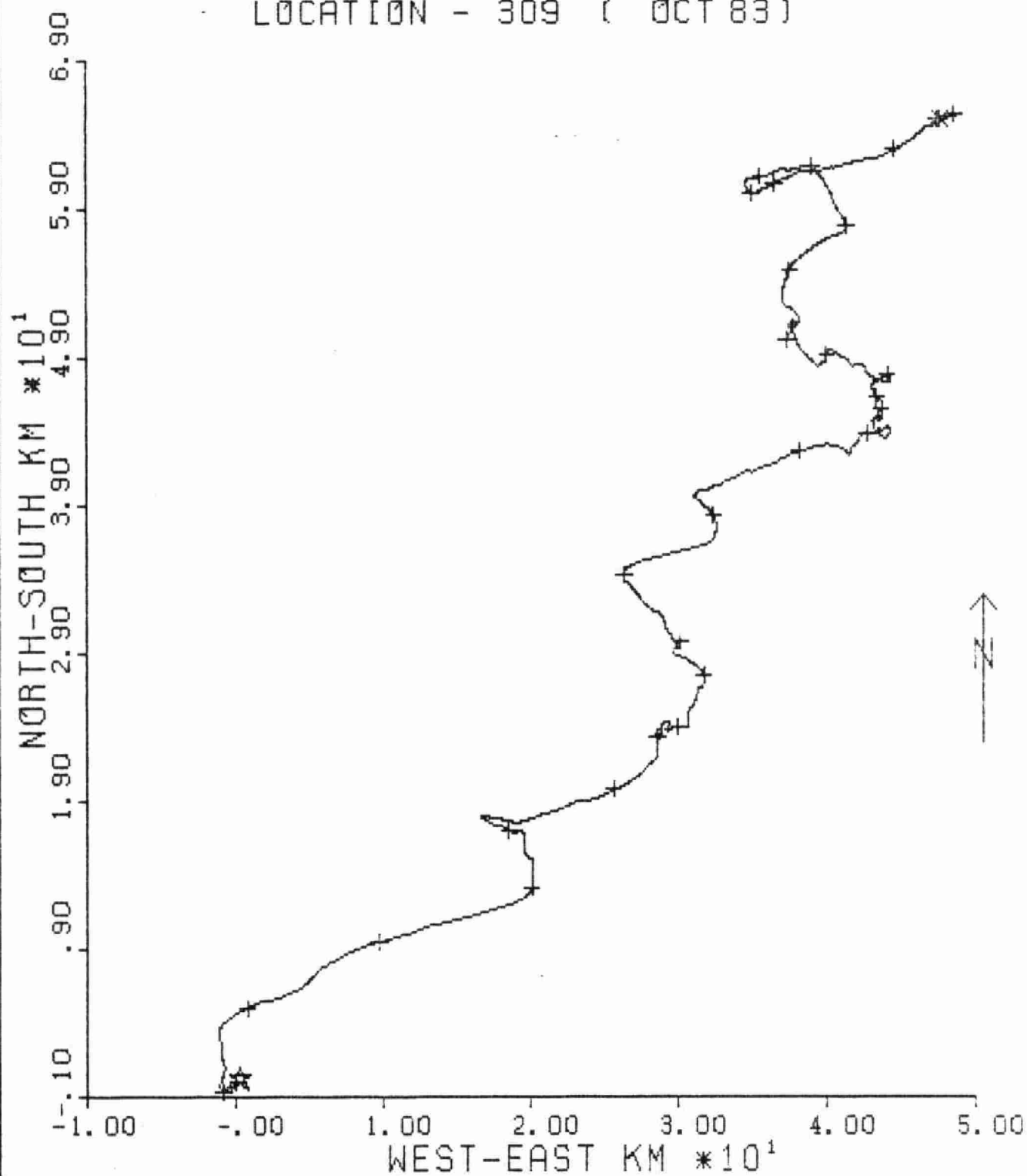


FIG.3.37 PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY-OFFSHORE L.ONT

LOCATION - 309 ( NOV 83)

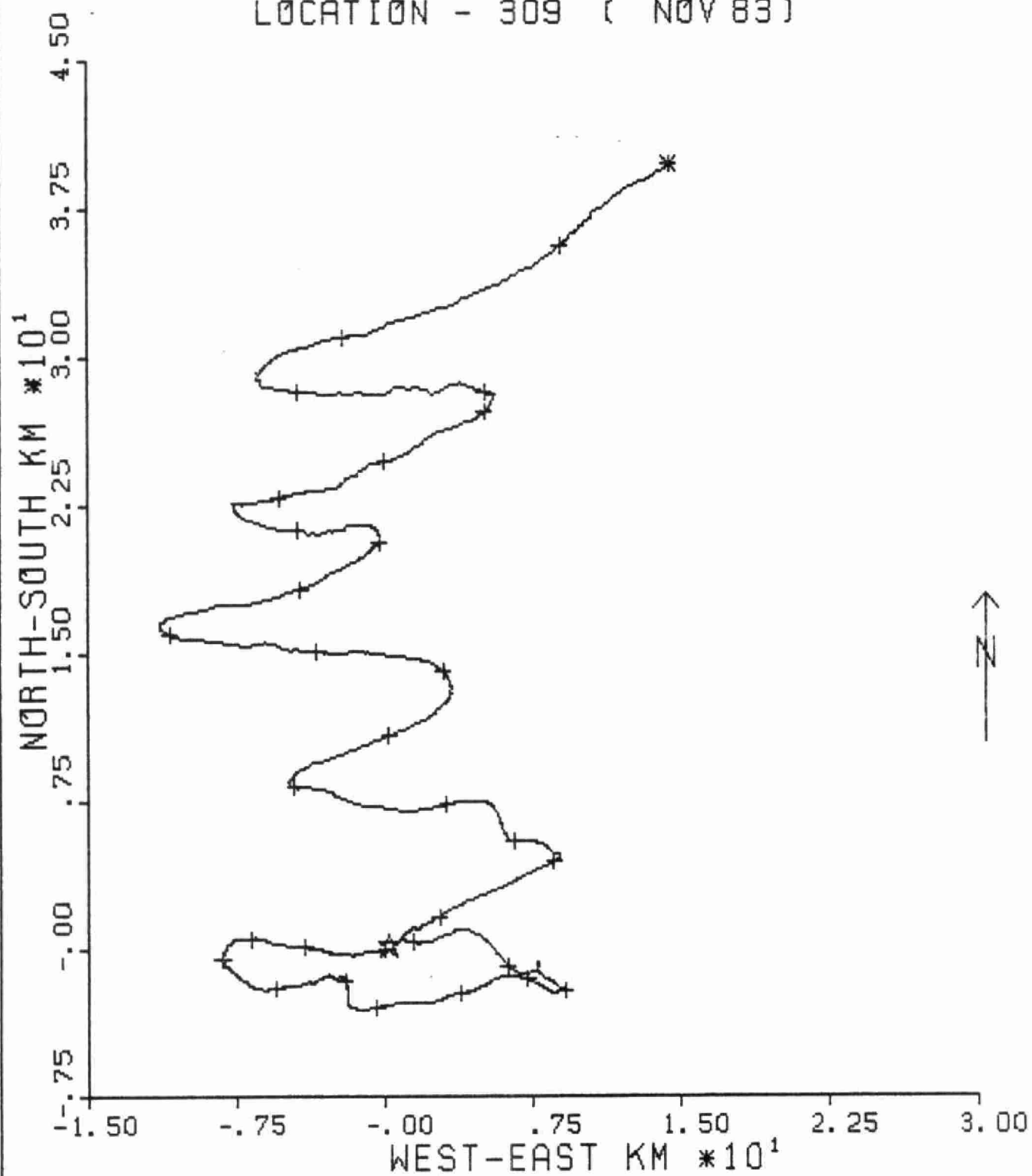


FIG.3.38: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY-OFFSHORE L. ONT

LOCATION - 309 ( DEC 83 )

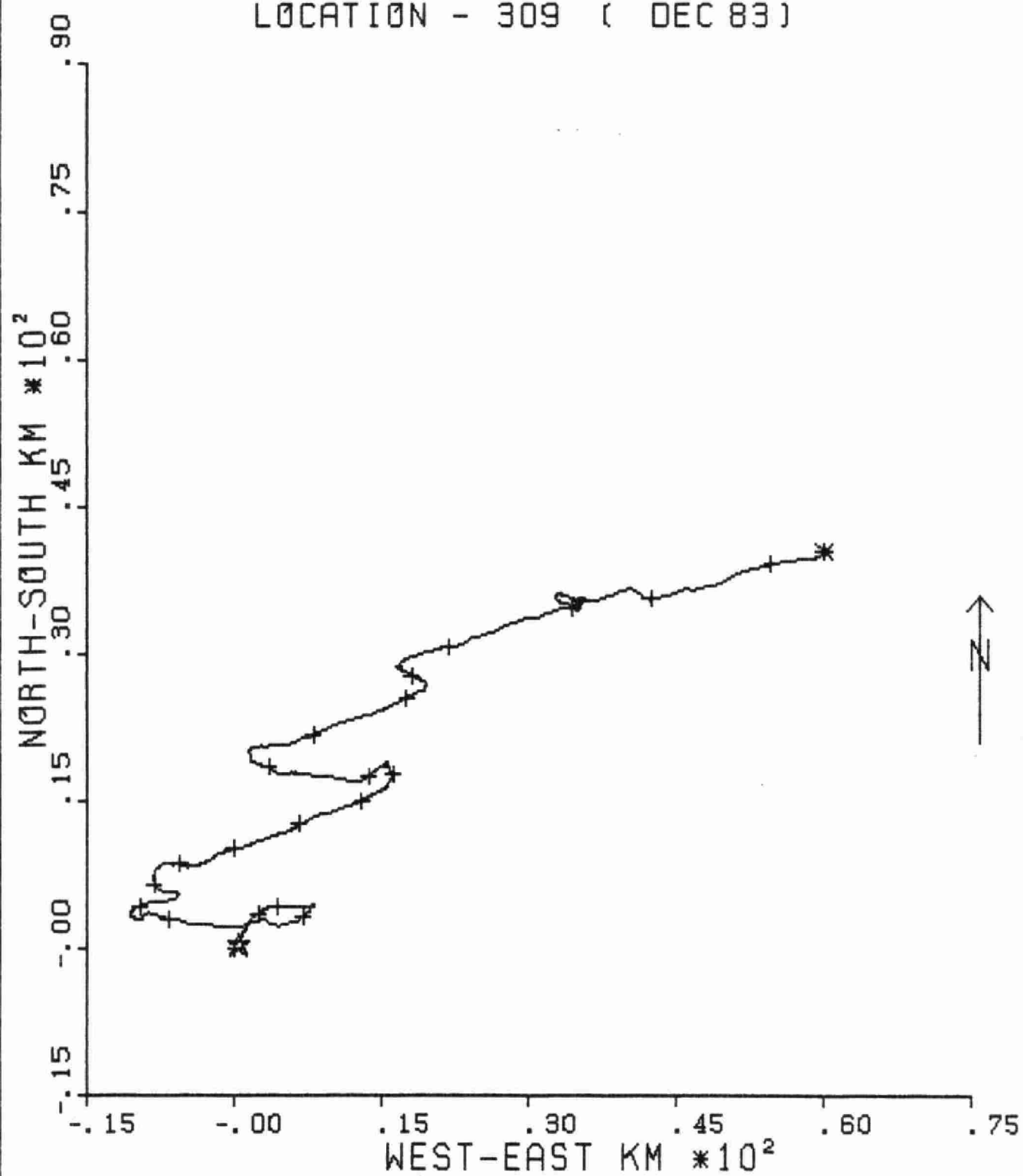


FIG.3.39: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY OFFSHORE L. ONT.



LOCATION - 309 ( JAN 84 )

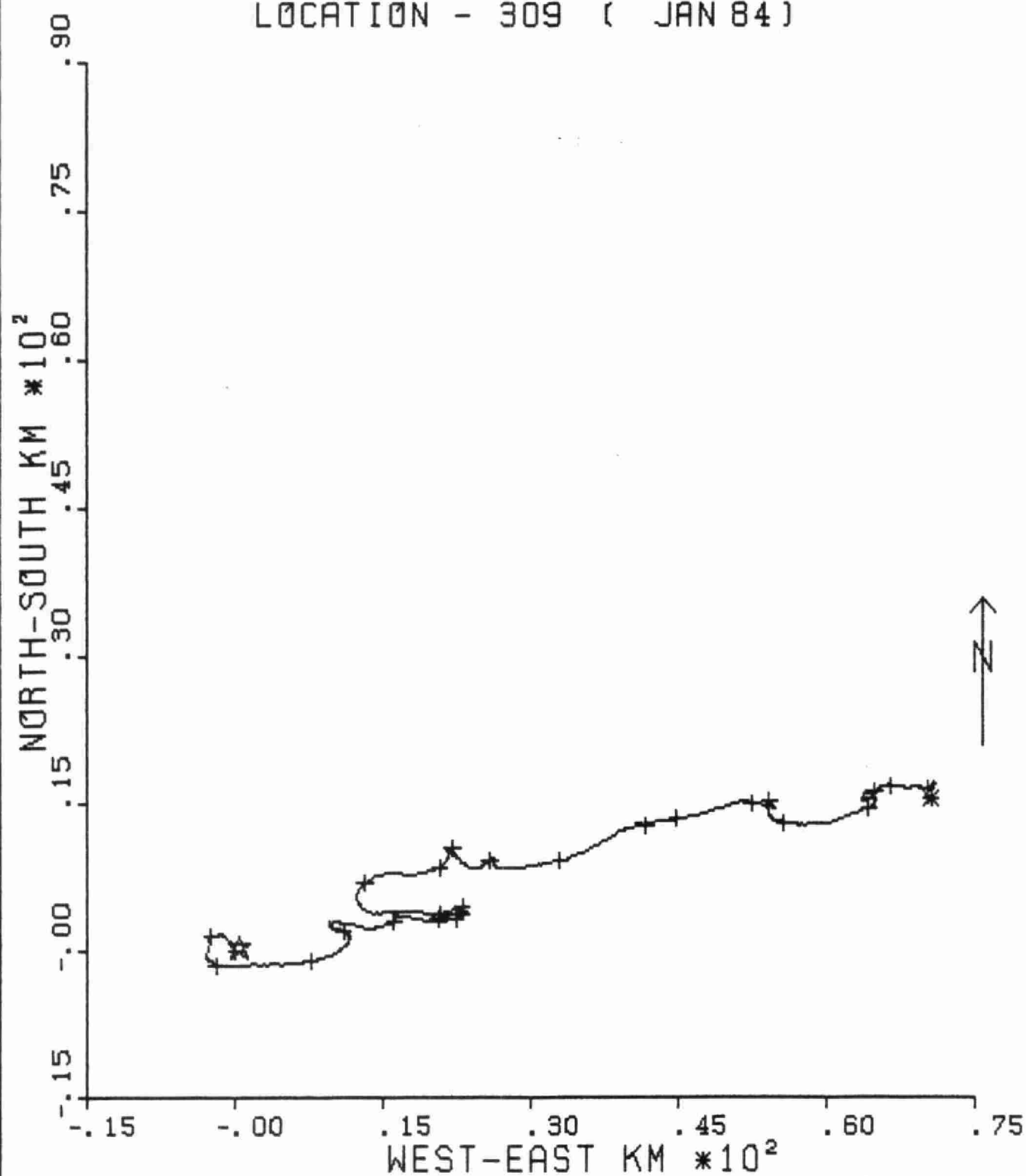


FIG.3.40: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( FEB 84 )

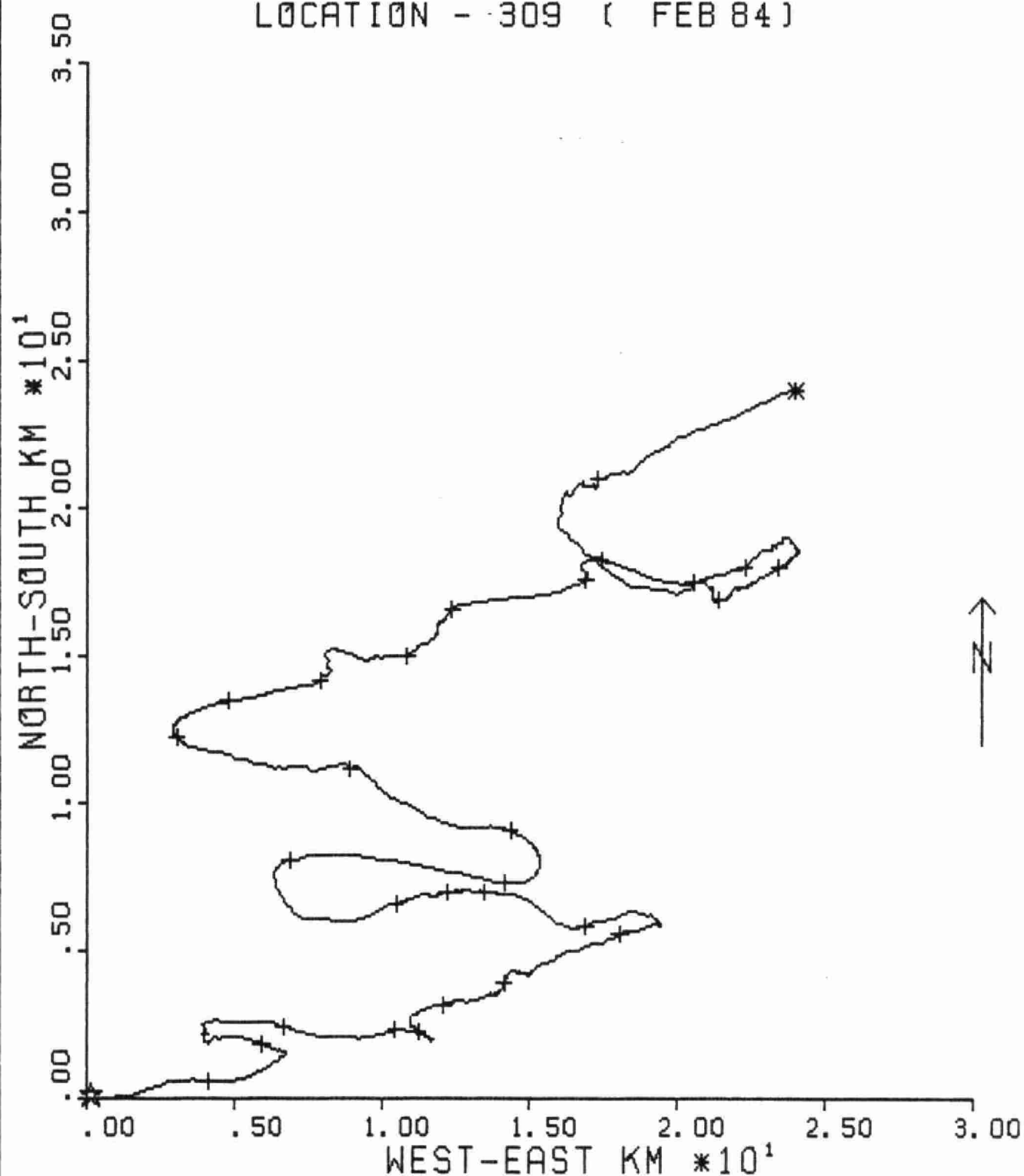


FIG.3.41 PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY OFFSHORE L. ONT.

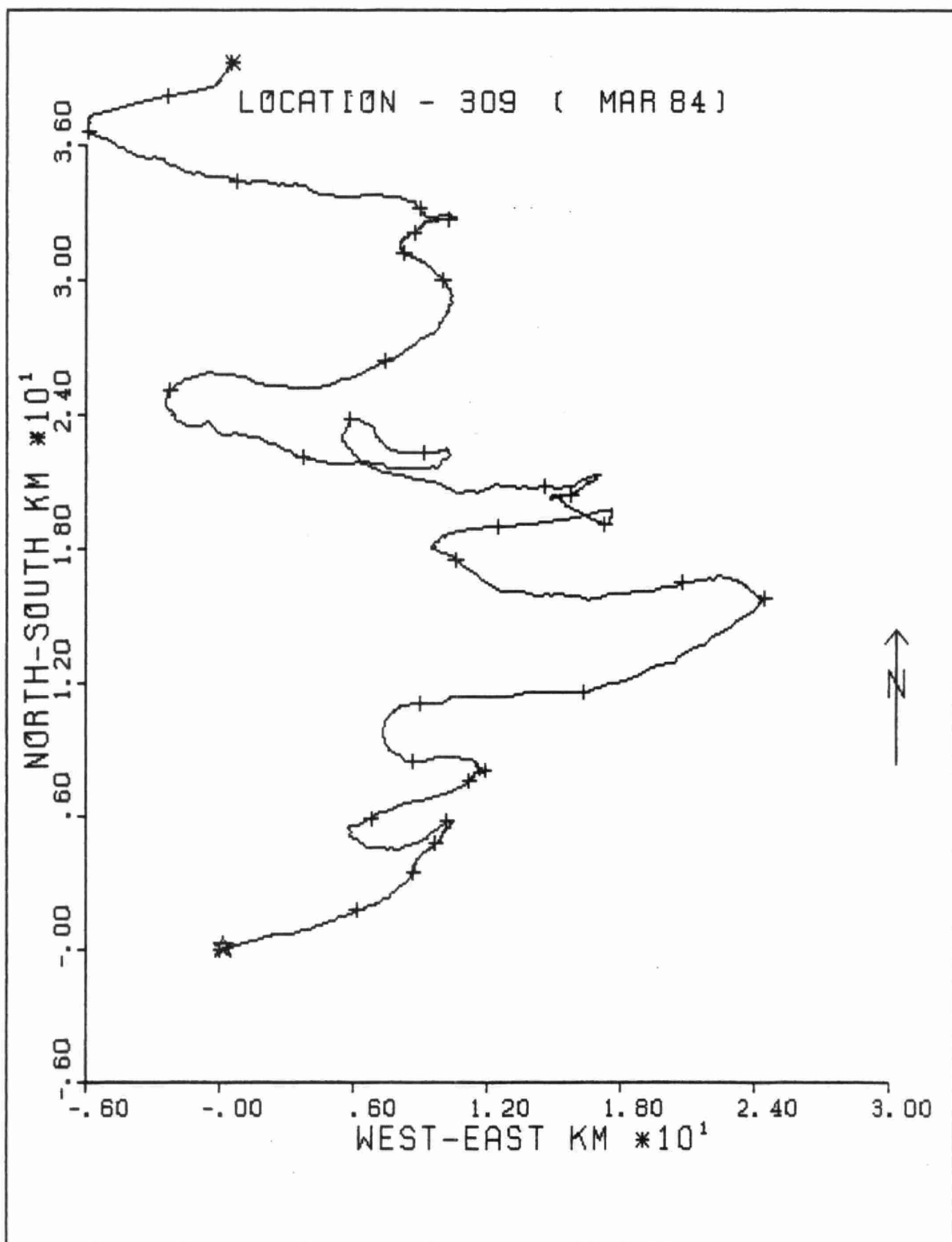


FIG.3.42: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY OFFSHORE L. ONT.

LOCATION - 309 ( APR 84 )

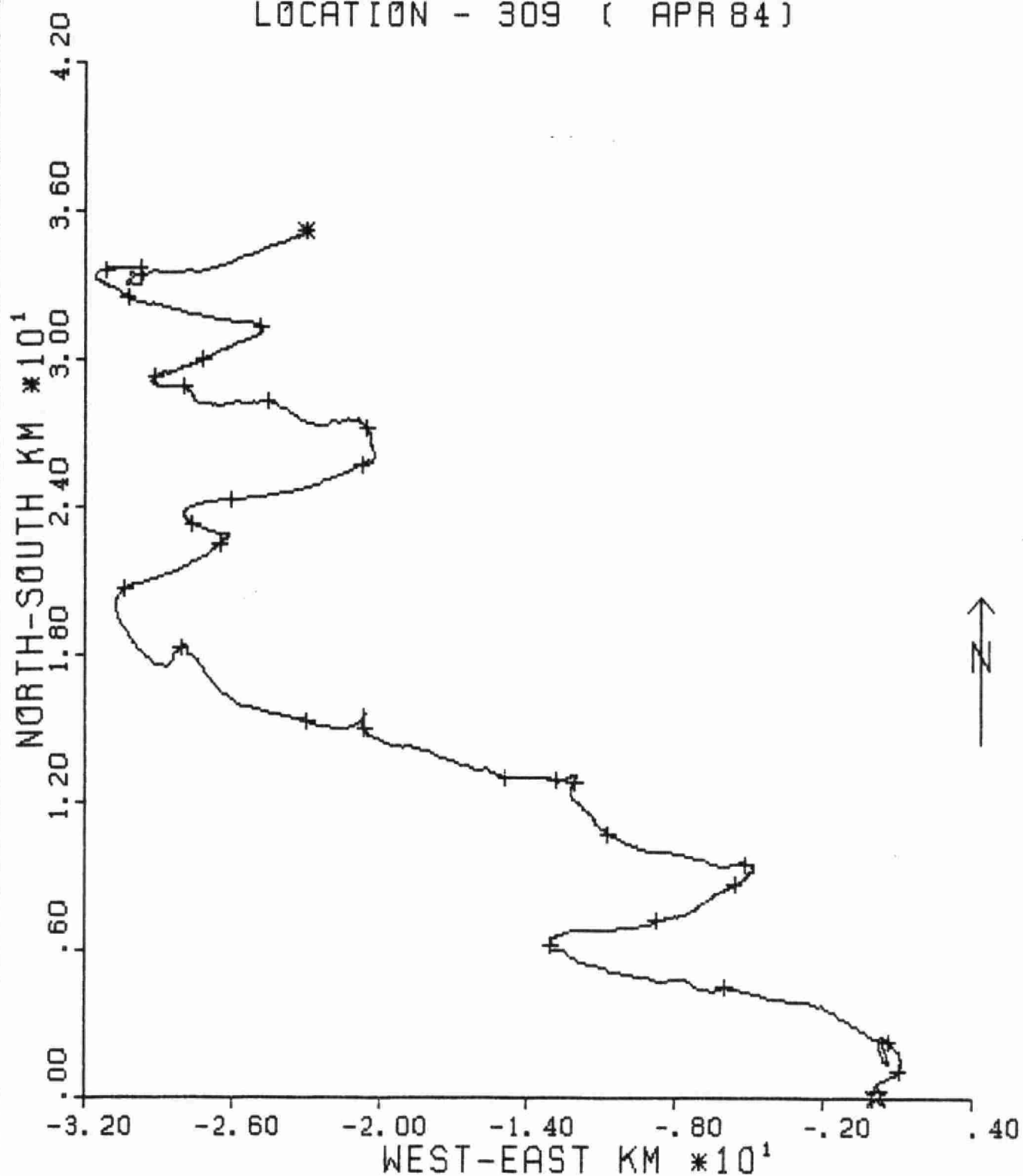


FIG.3.43: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY OFFSHORE L. ONT.

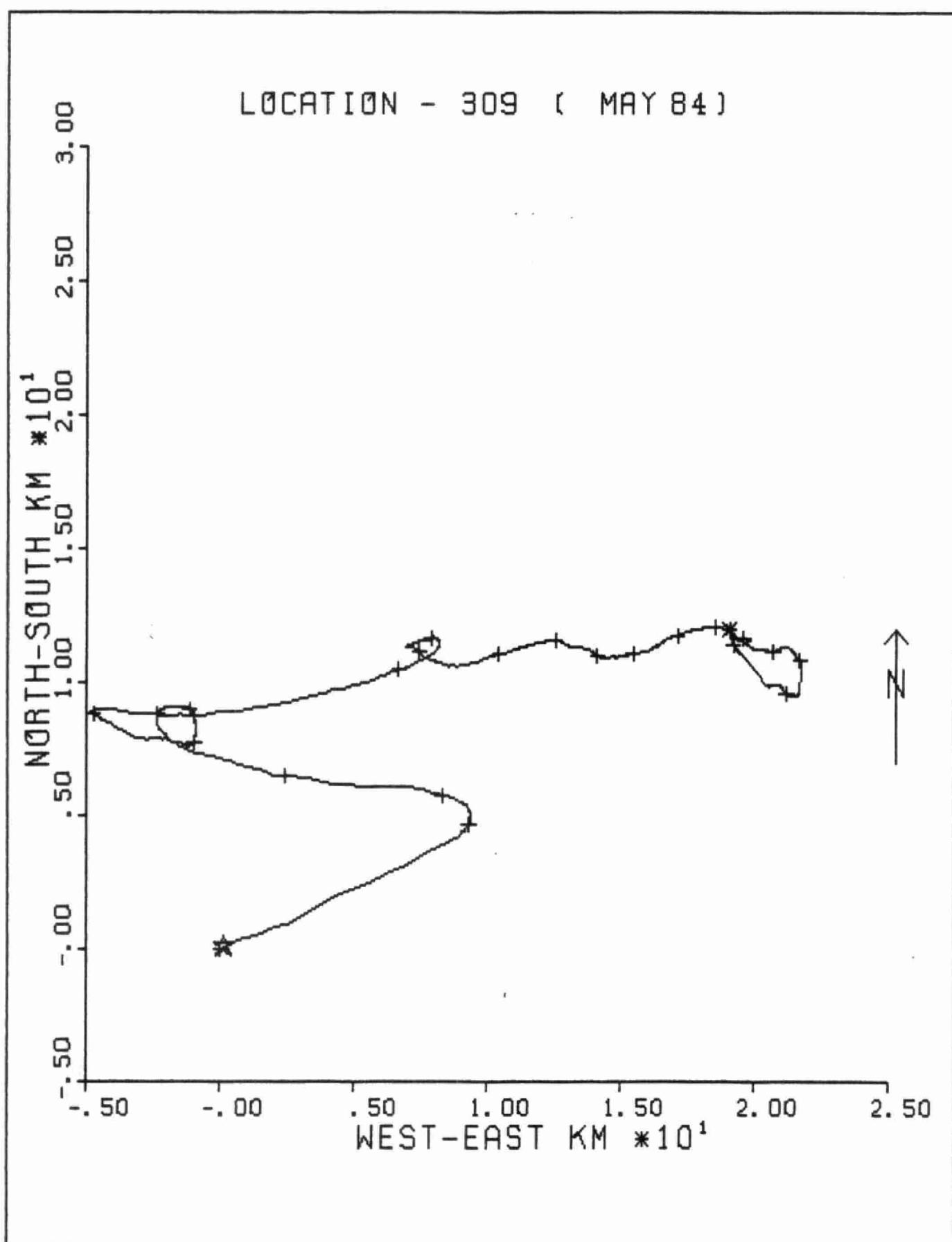


FIG.3.44: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY OFFSHORE L. ONT.

LOCATION - 310 ( JUN 83)

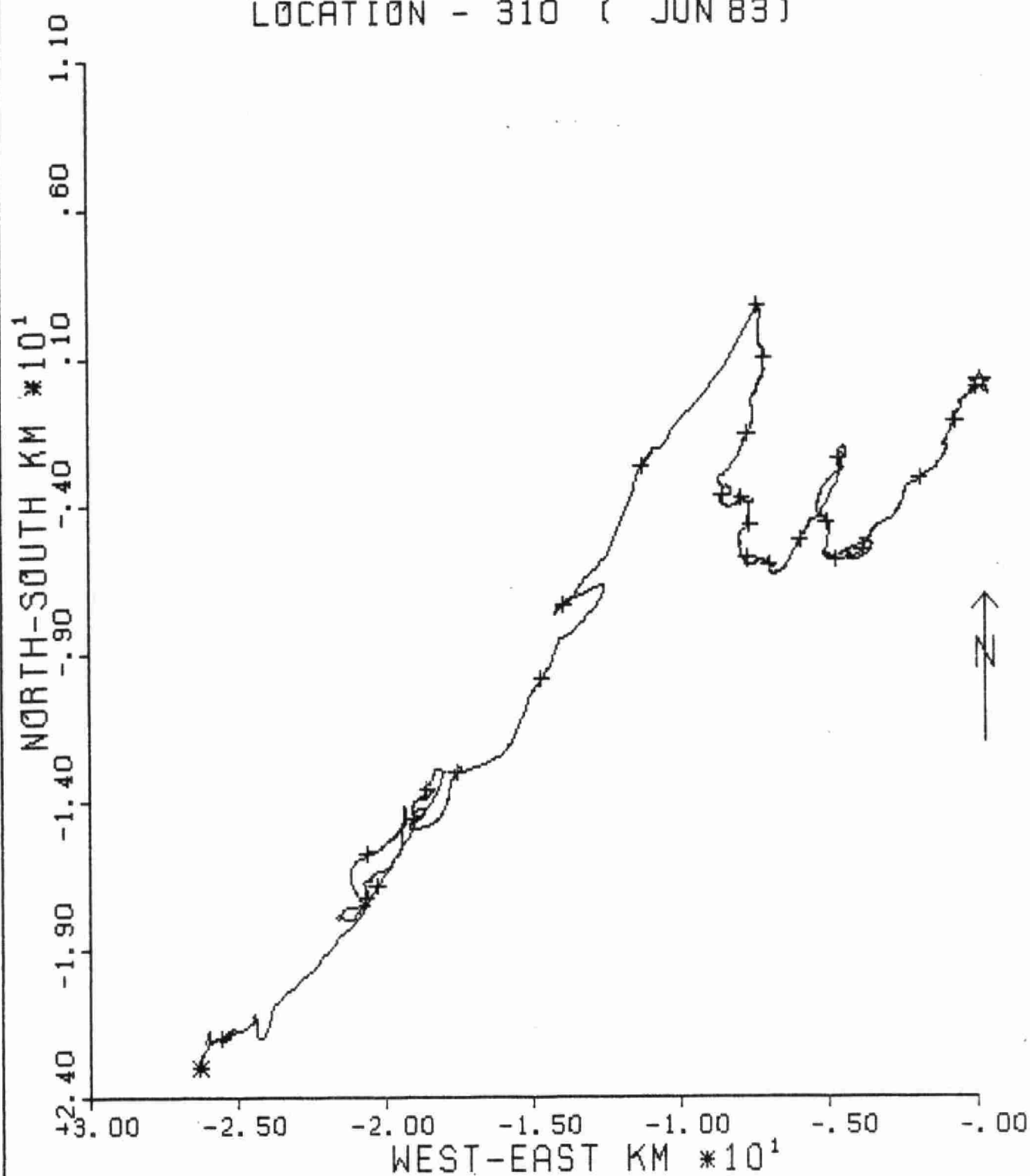


FIG.3.45 PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD HUMBER BAY L. ONT.

LOCATION - 0310 ( JUL 83 )

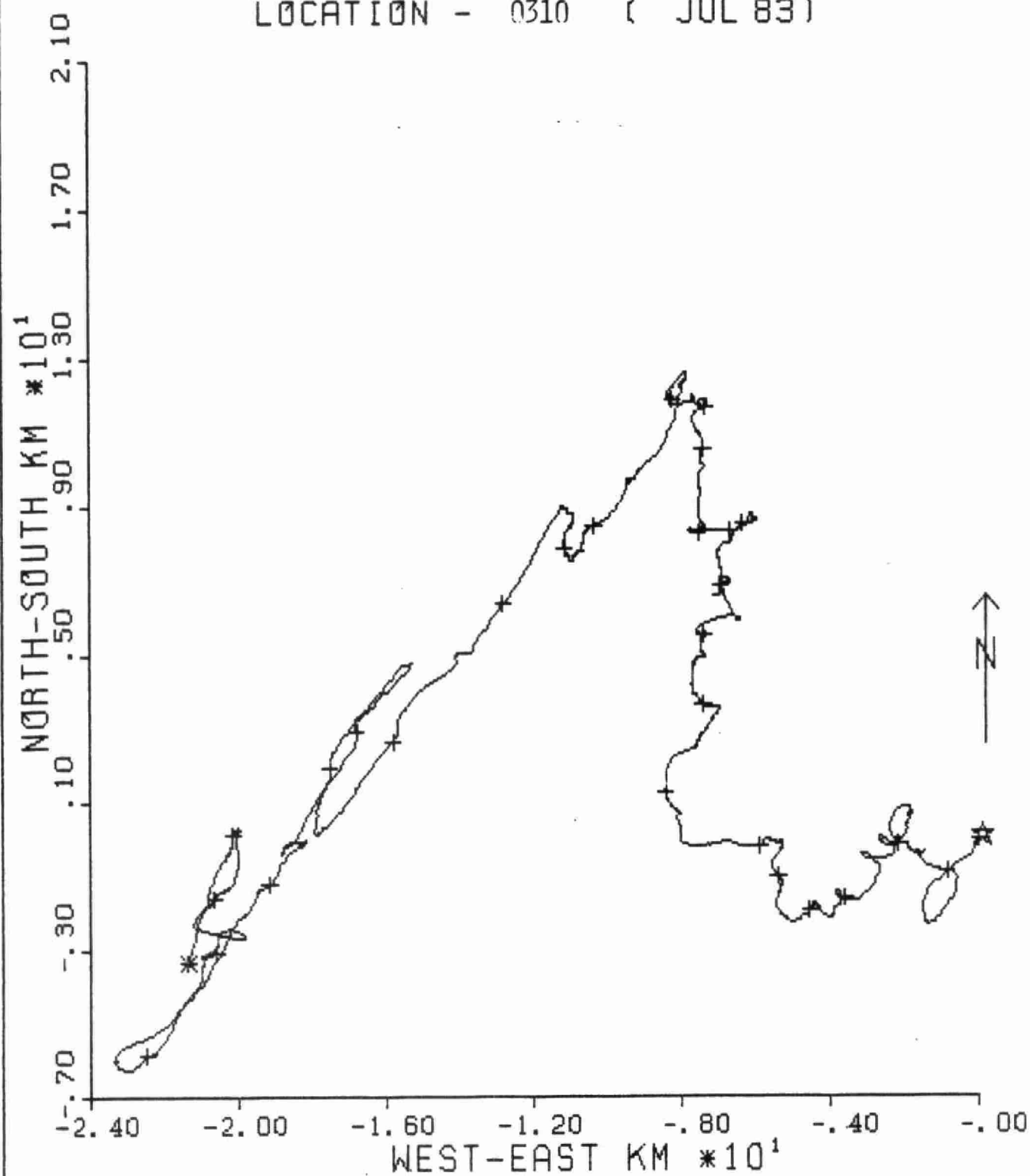


FIG.3.46: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY L. ONT.

LOCATION - 0310 ( AUG 83 )

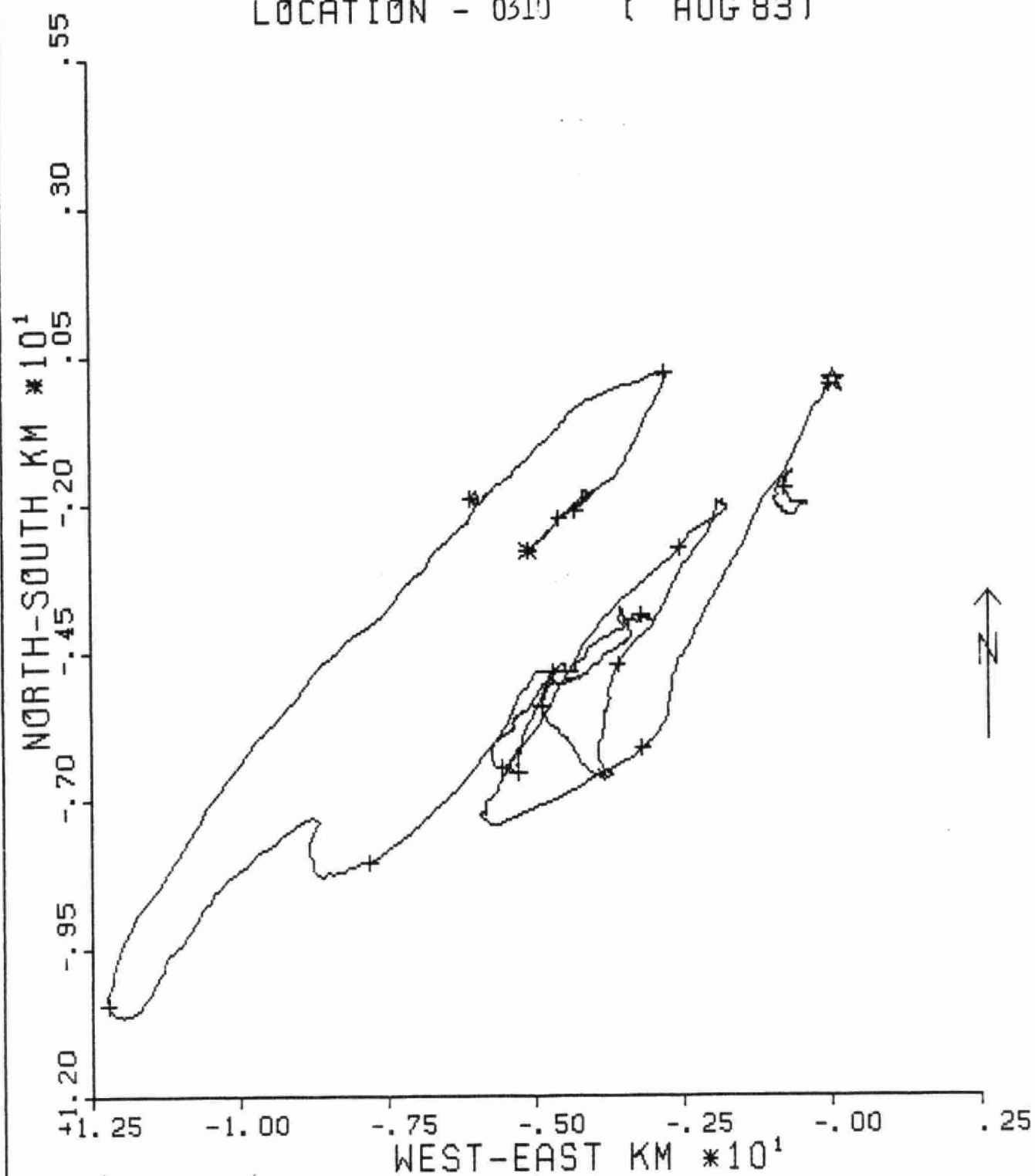


FIG.3.47: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY L. ONT.



LOCATION - 310 ( AUG 83)

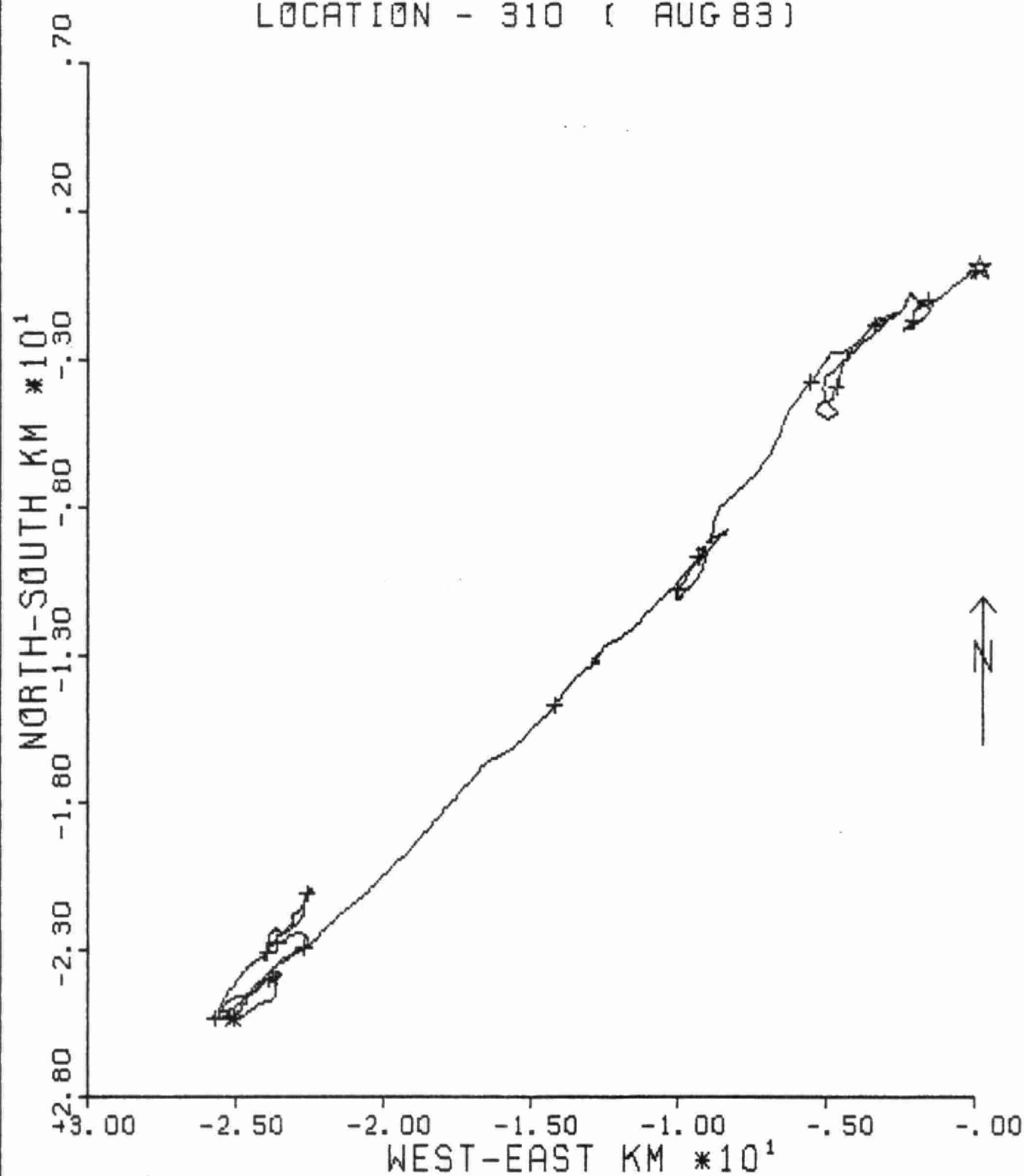


FIG.3.48: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY L. ONT

LOCATION - 310 ( SEP 83 )

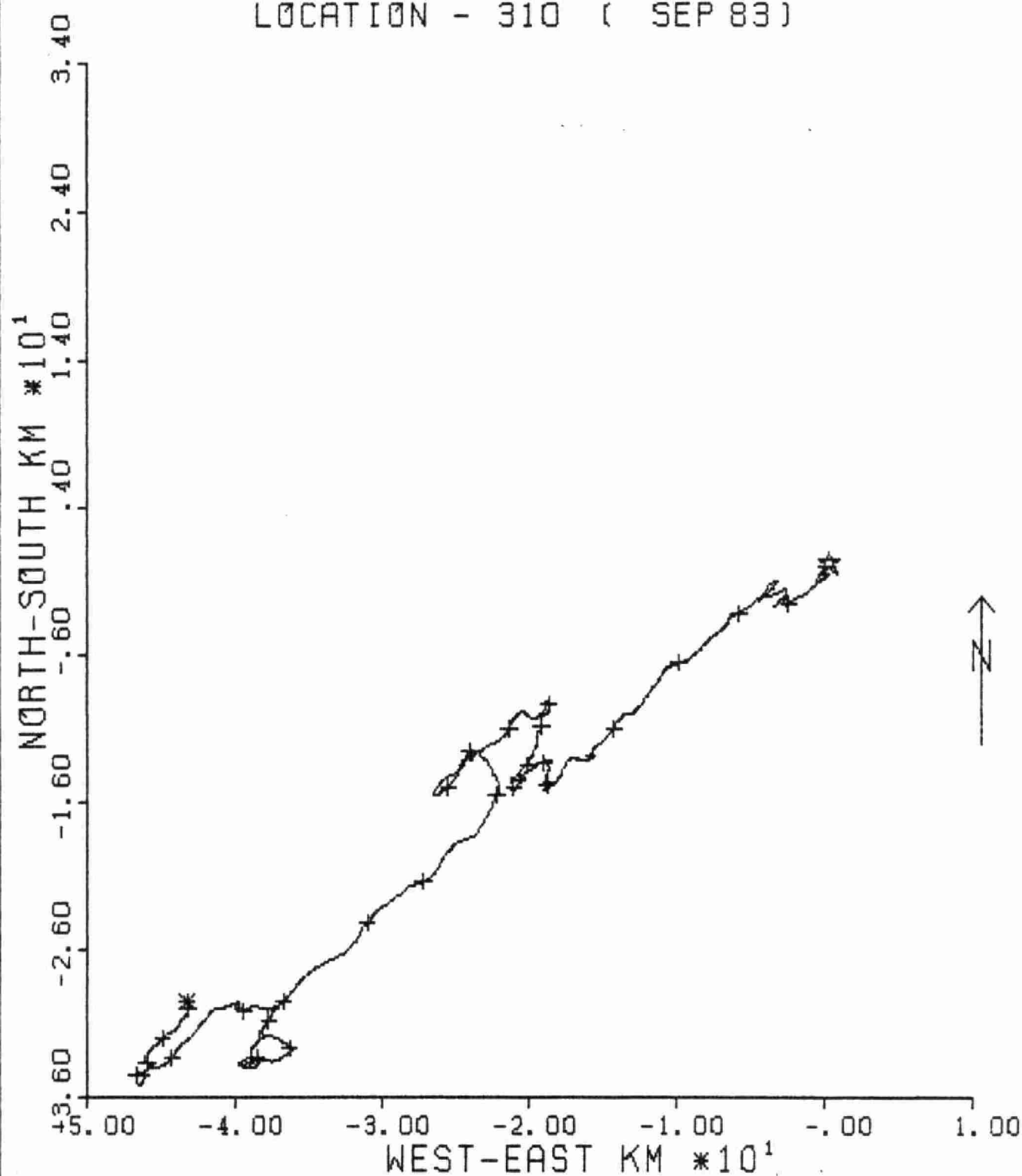


FIG 3.49: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY L. ONT

LOCATION - 310 ( OCT 83)

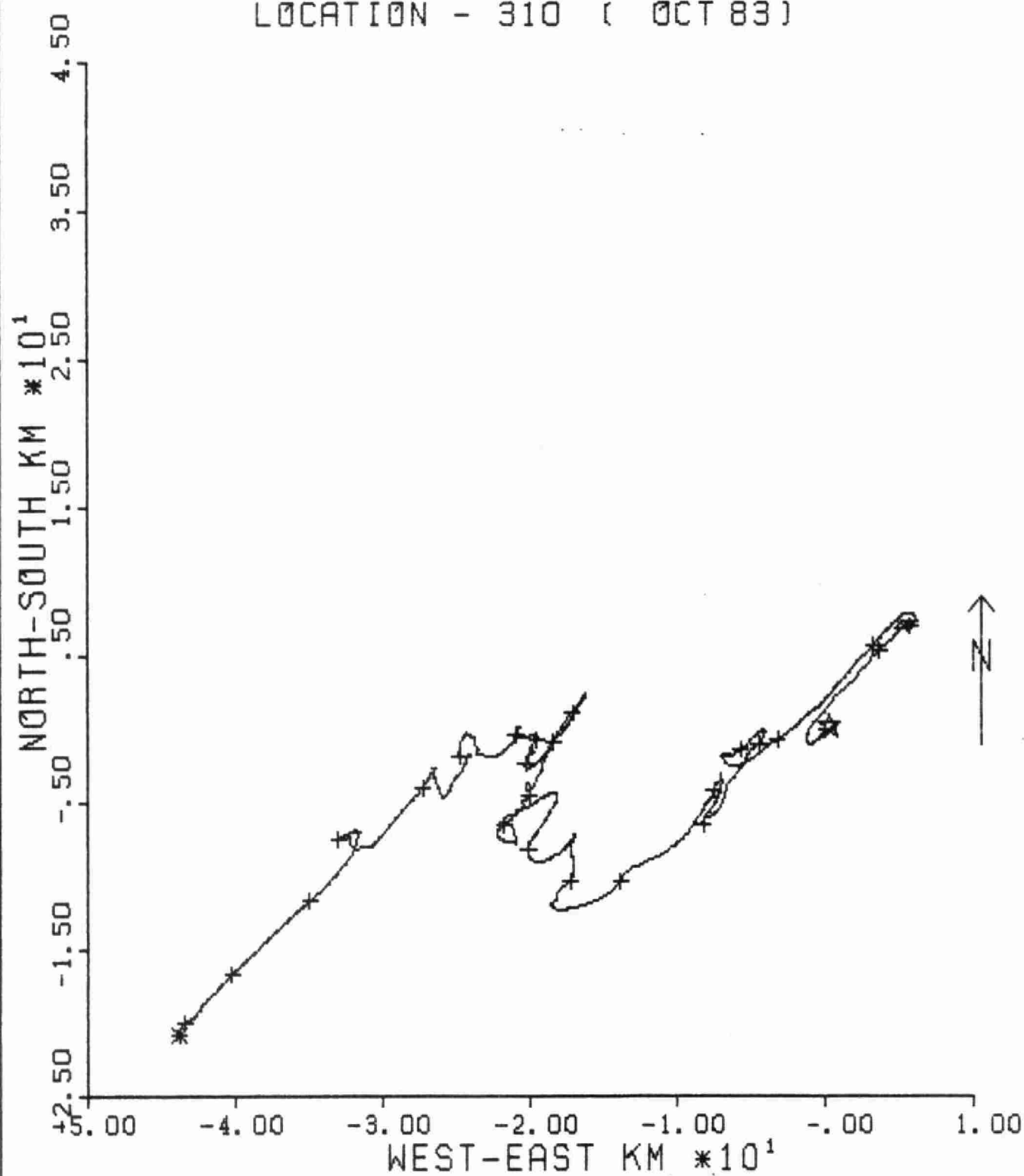


FIG.3.50: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY L. ONT

LOCATION - 310 ( NOV 83 )

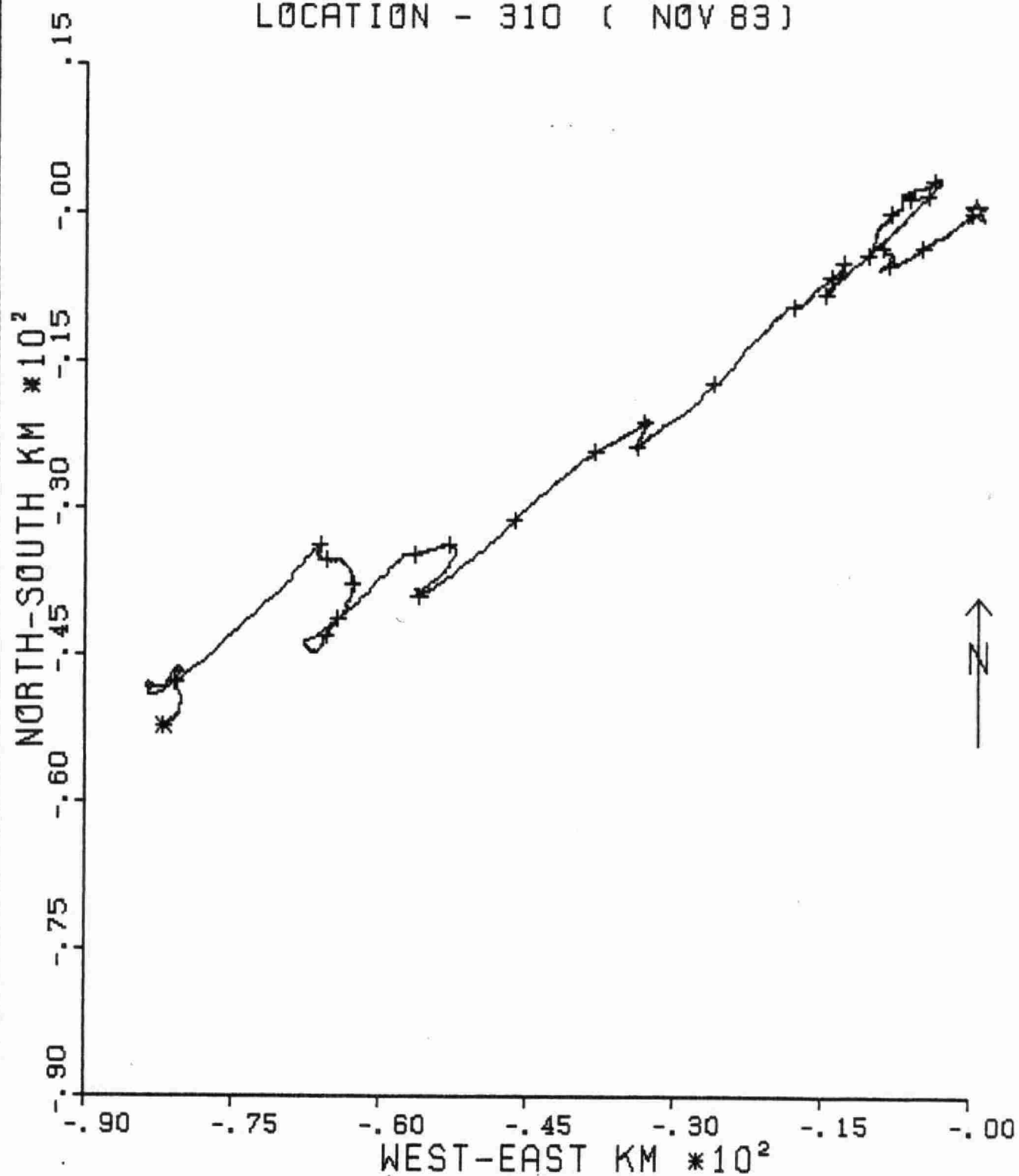


FIG.3.51: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( DEC 83 )

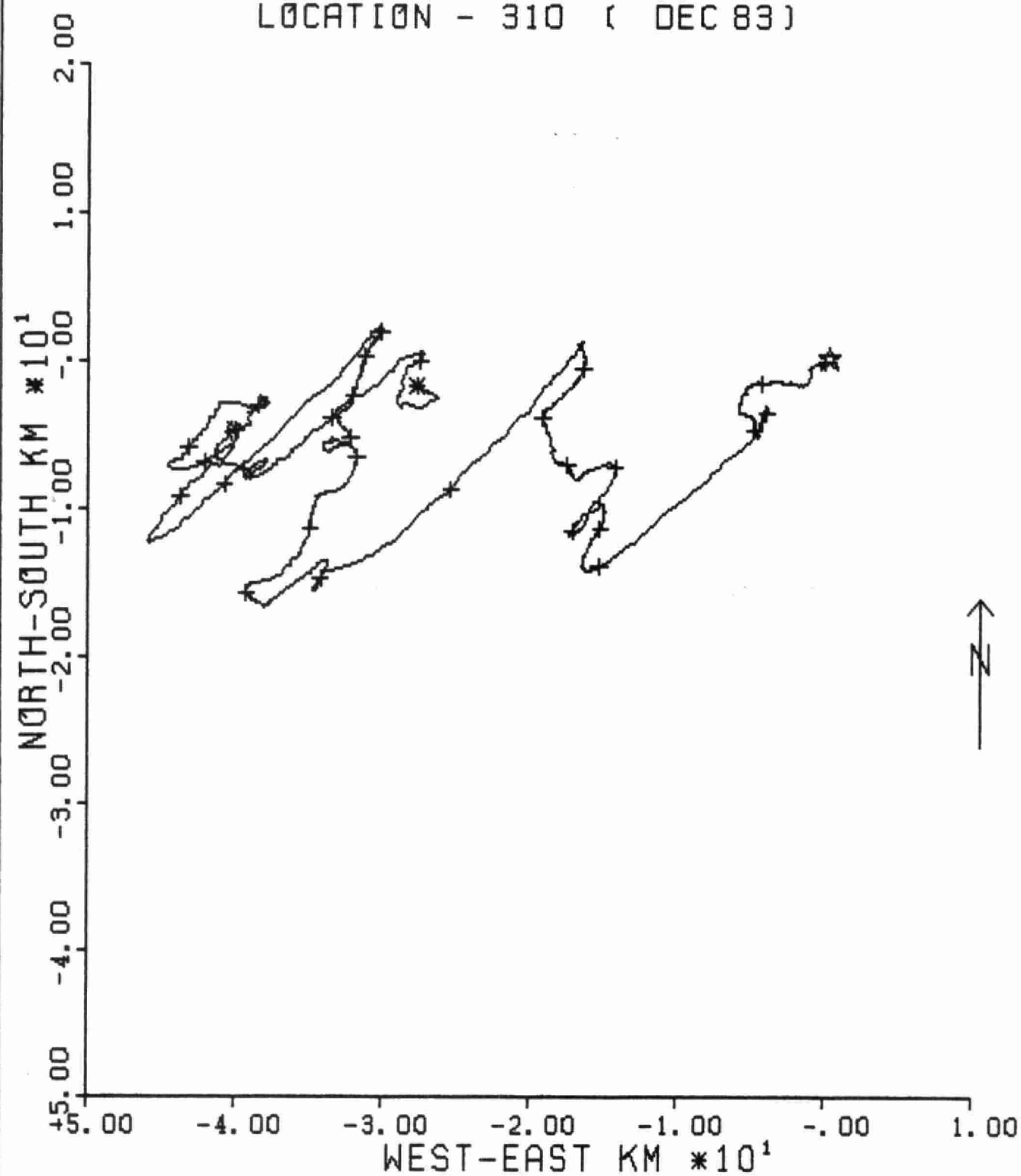


FIG.3.52: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( JAN 84 )

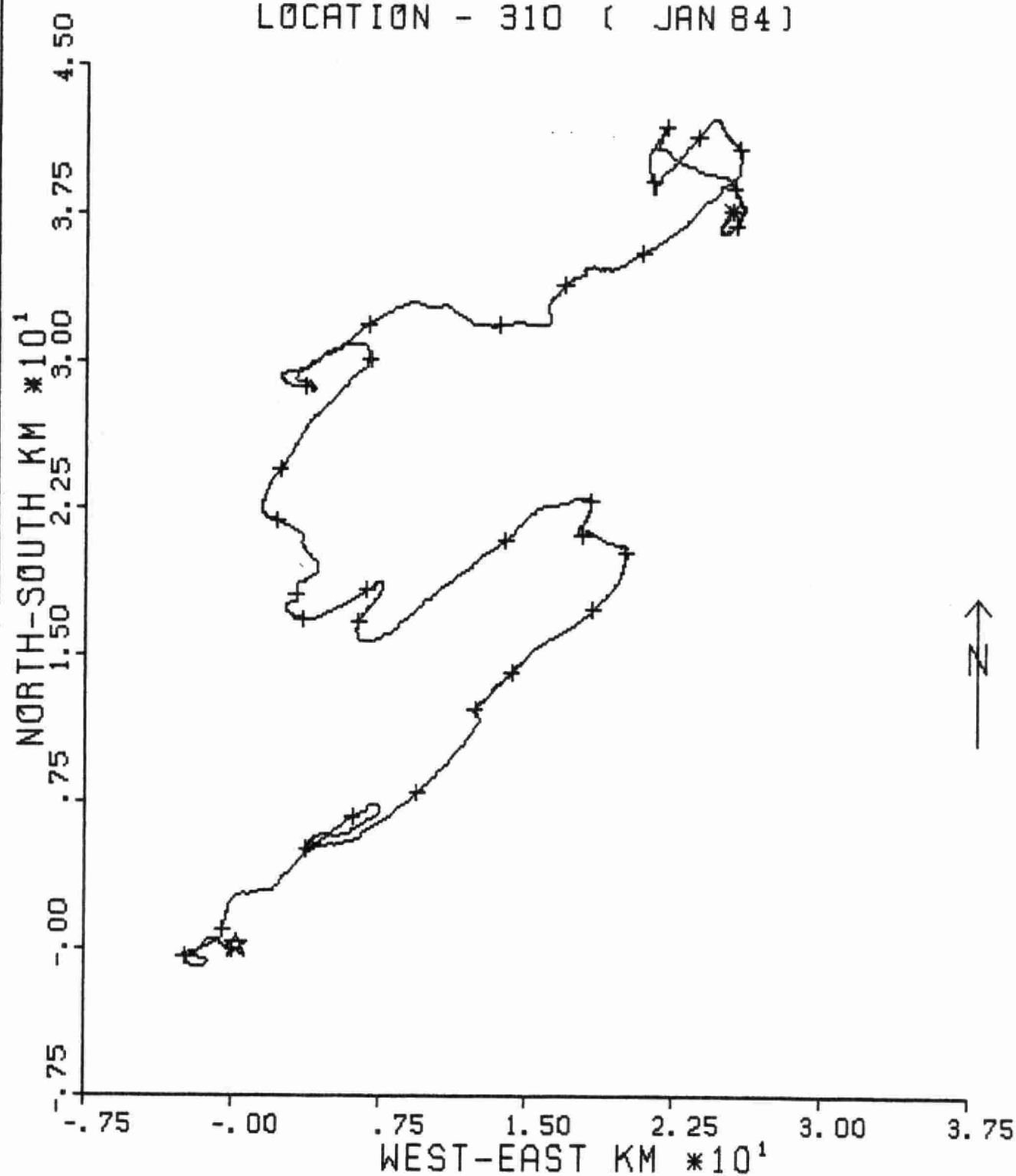


FIG. 3.53 PROGRESSIVE VECTOR PLOT: ★ START AND \* END OF RECORD  
HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( FEB 84 )

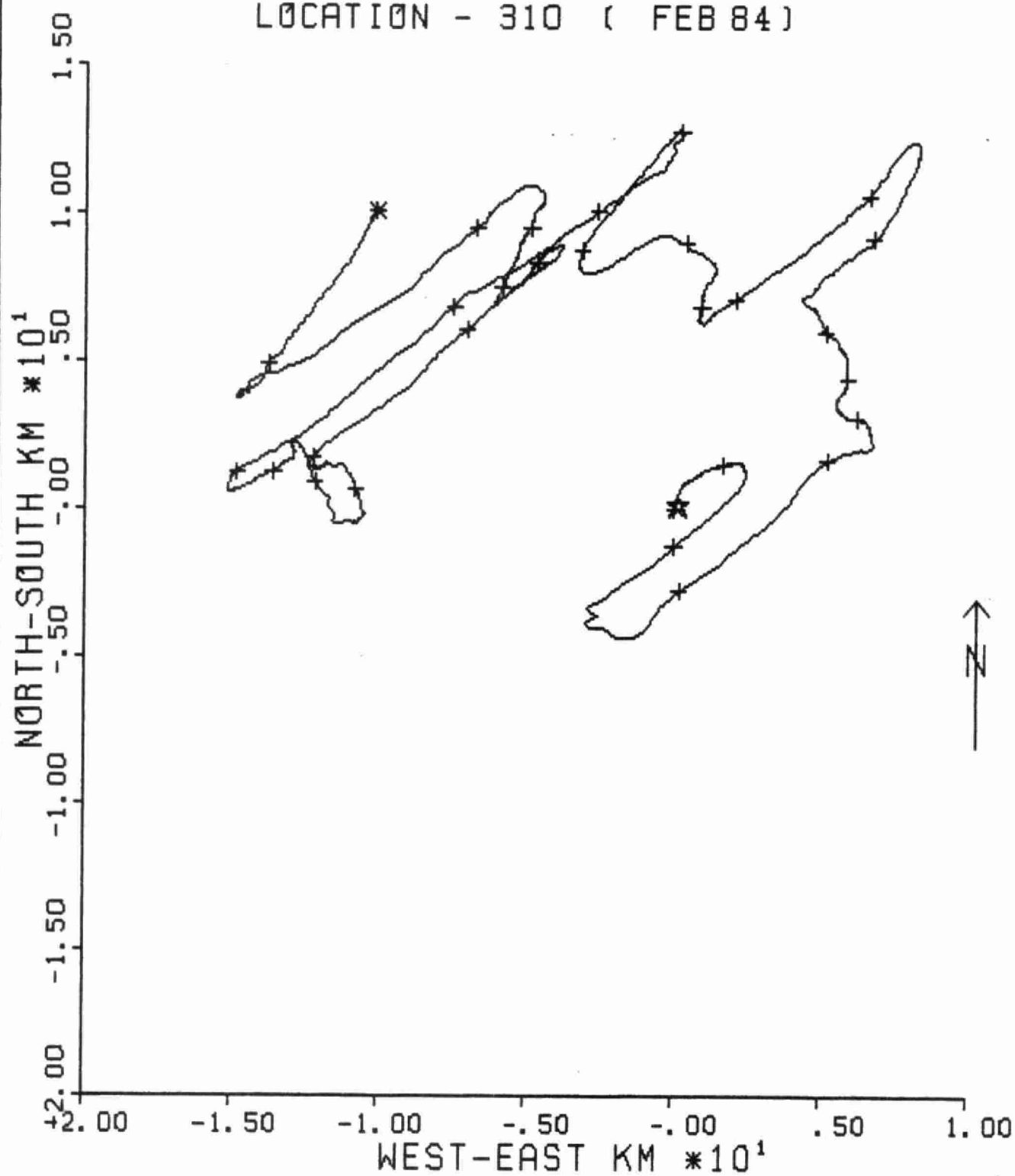


FIG.3.54: PROGRESSIVE VECTOR PLOT:  $\star$  START AND  $*$  END OF RECORD  
HUMBER BAY MIMICO L. ONT.

LOCATION - 310 ( MAR 84 )

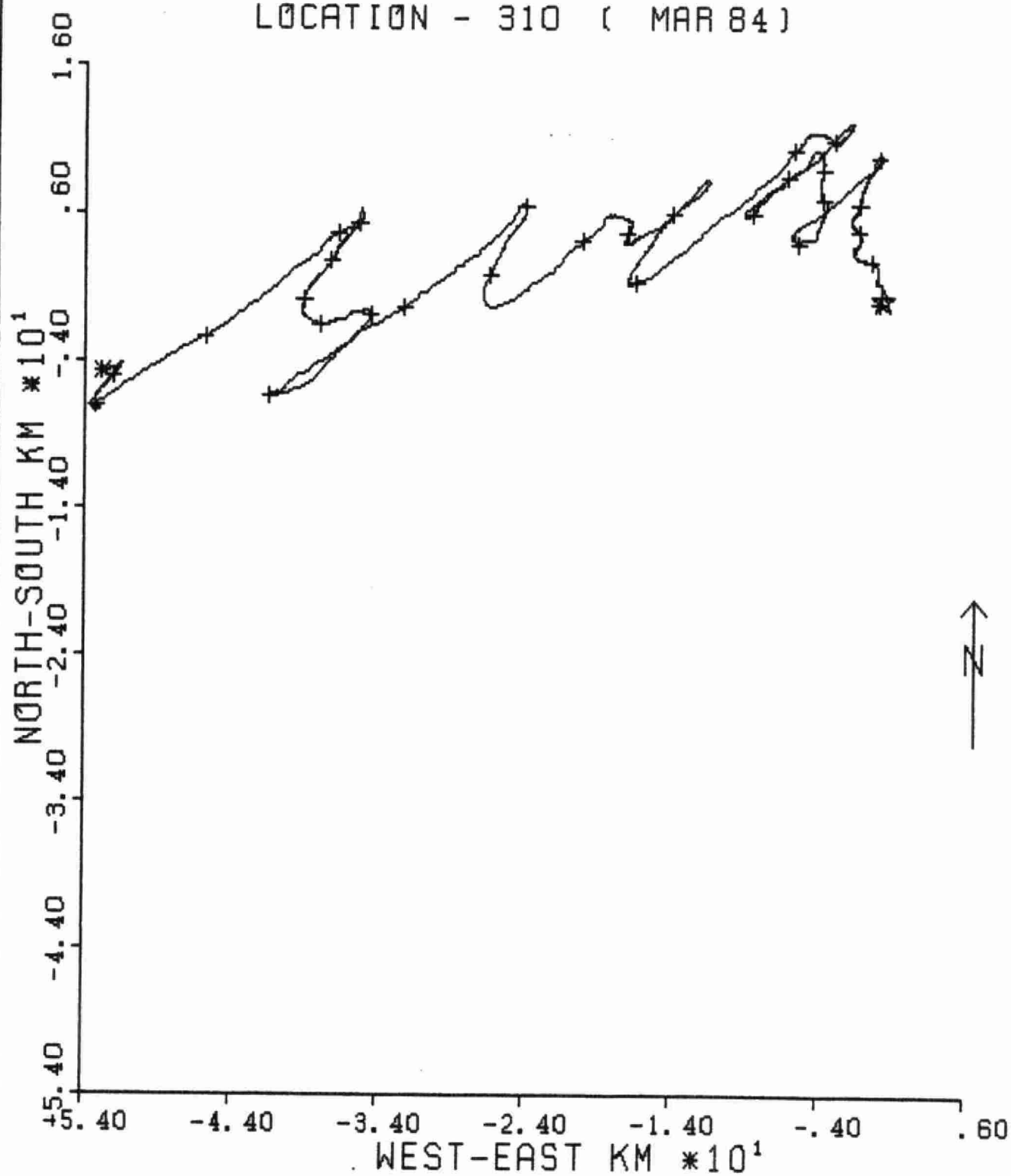


FIG.3.55: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY MIMICO L. ONT.



LOCATION - 310 ( APR 84 )

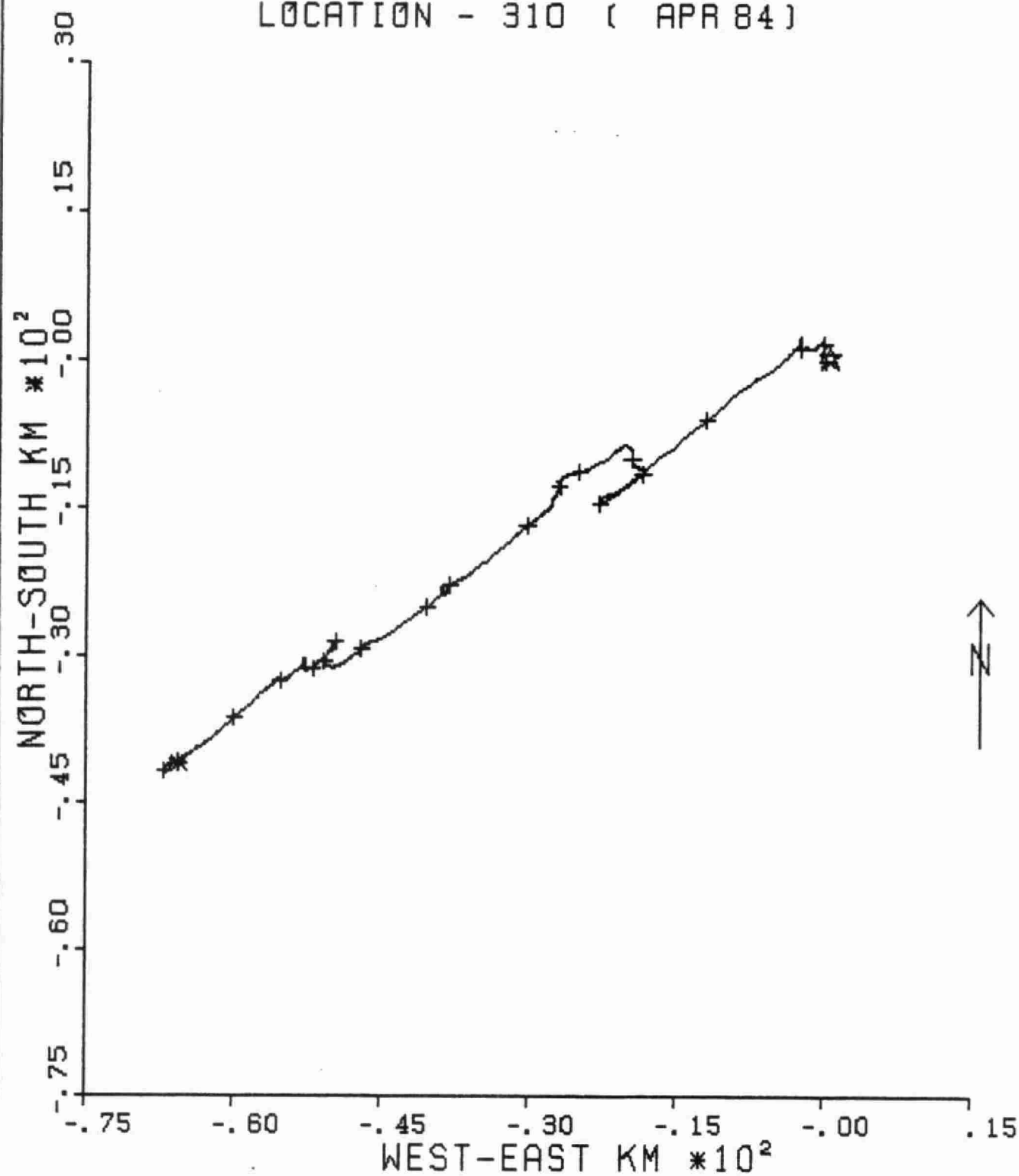


FIG.3.56: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY MIMICO L. ONT.

LOCATION - 311 ( NOV 83 )

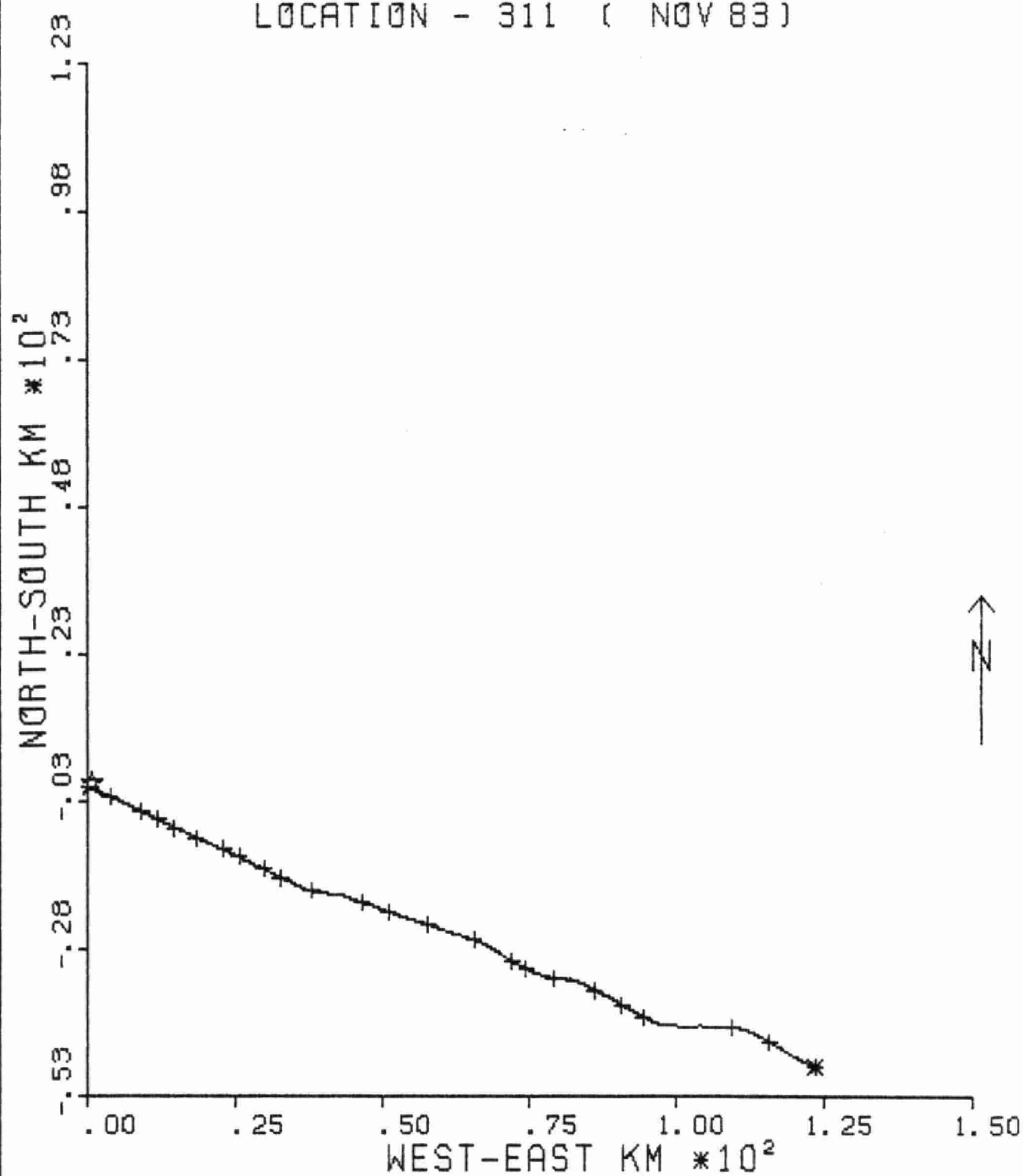


FIG.3.57: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER BAY-EAST L.ONT

LOCATION - 311 ( DEC 83)

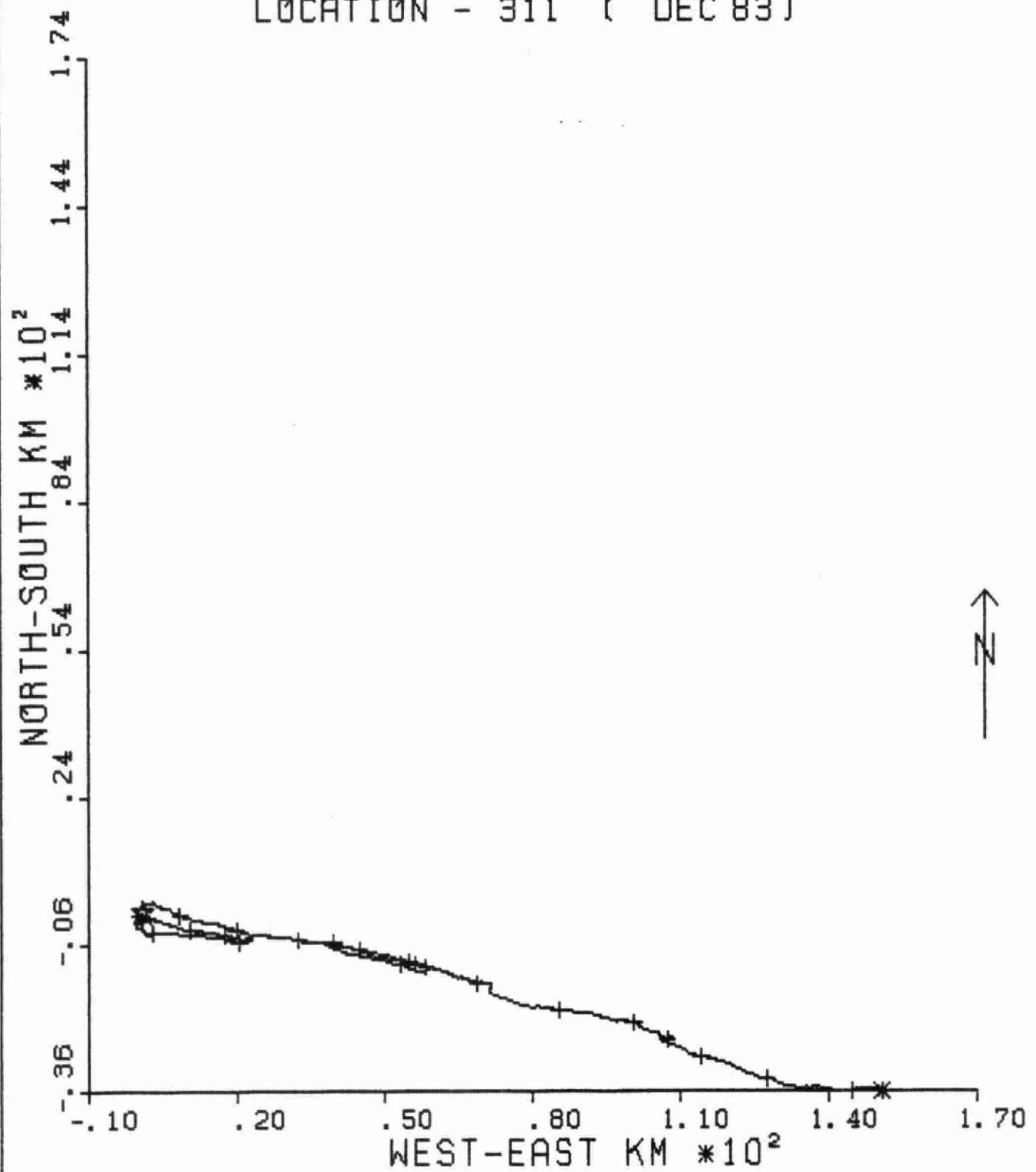


FIG.3.58: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( JAN 84 )

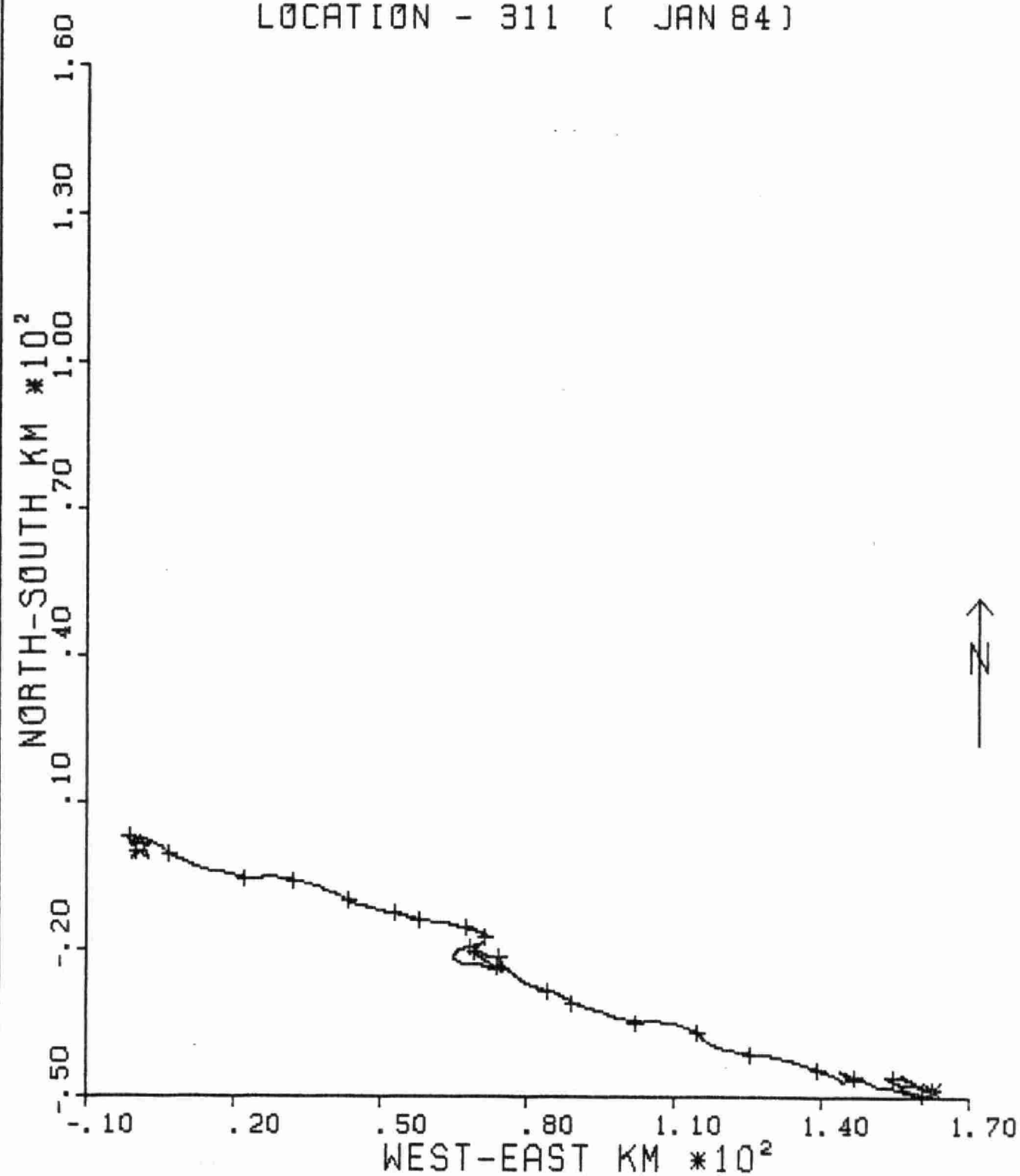


FIG.3.59: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( FEB 84 )

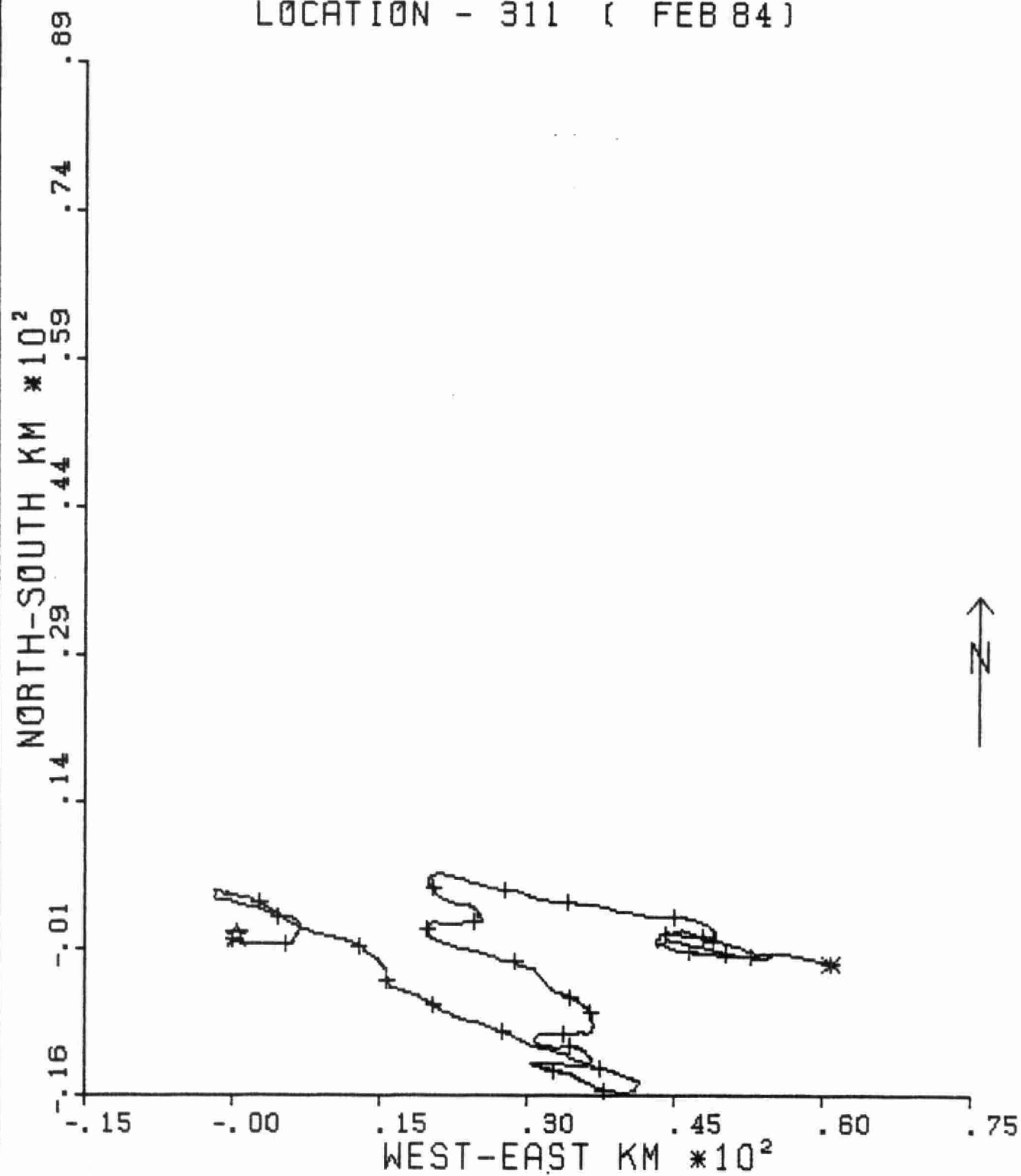


FIG.3.60: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( MAR 84 )

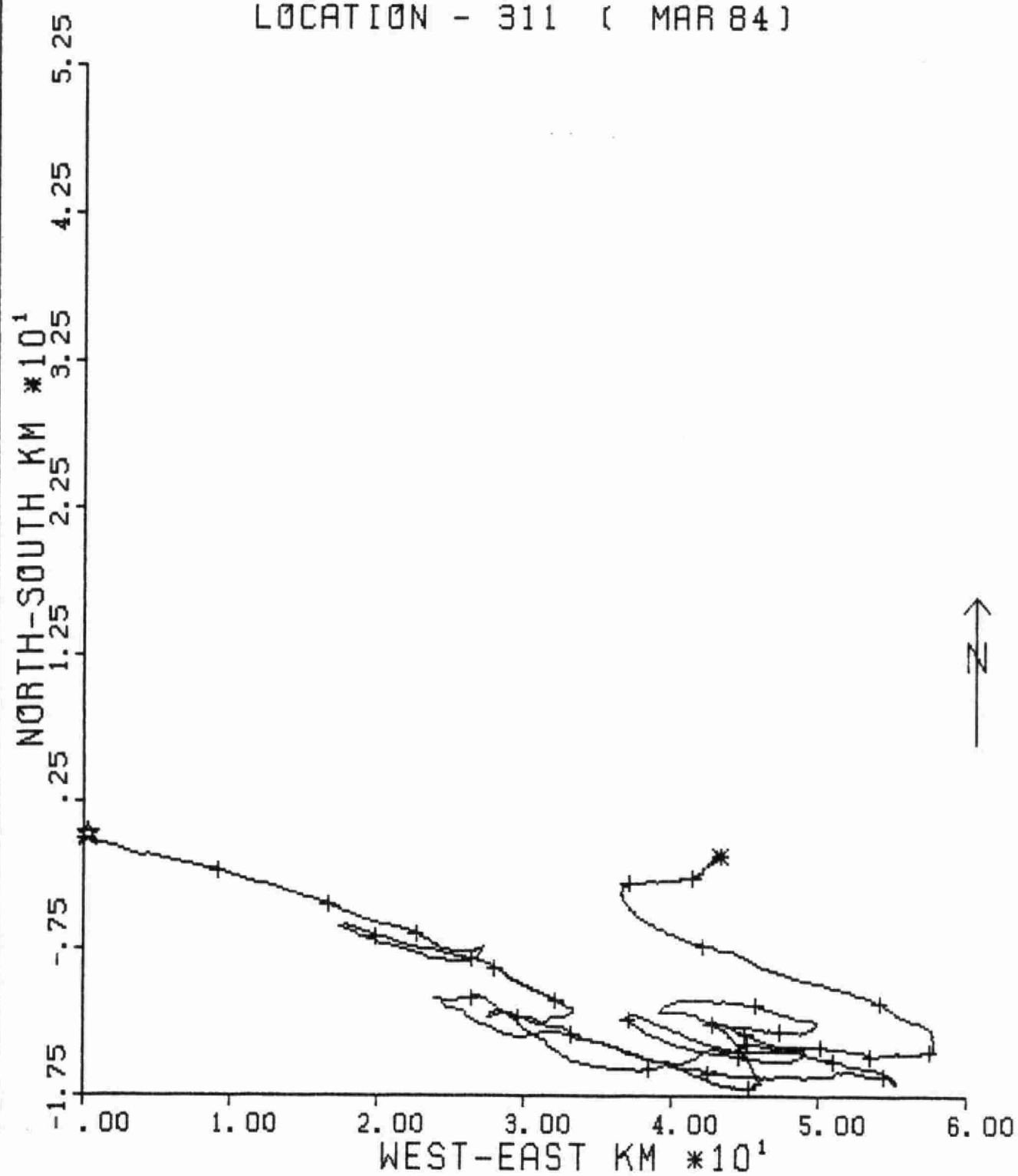


FIG.3.61: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( APR 84 )

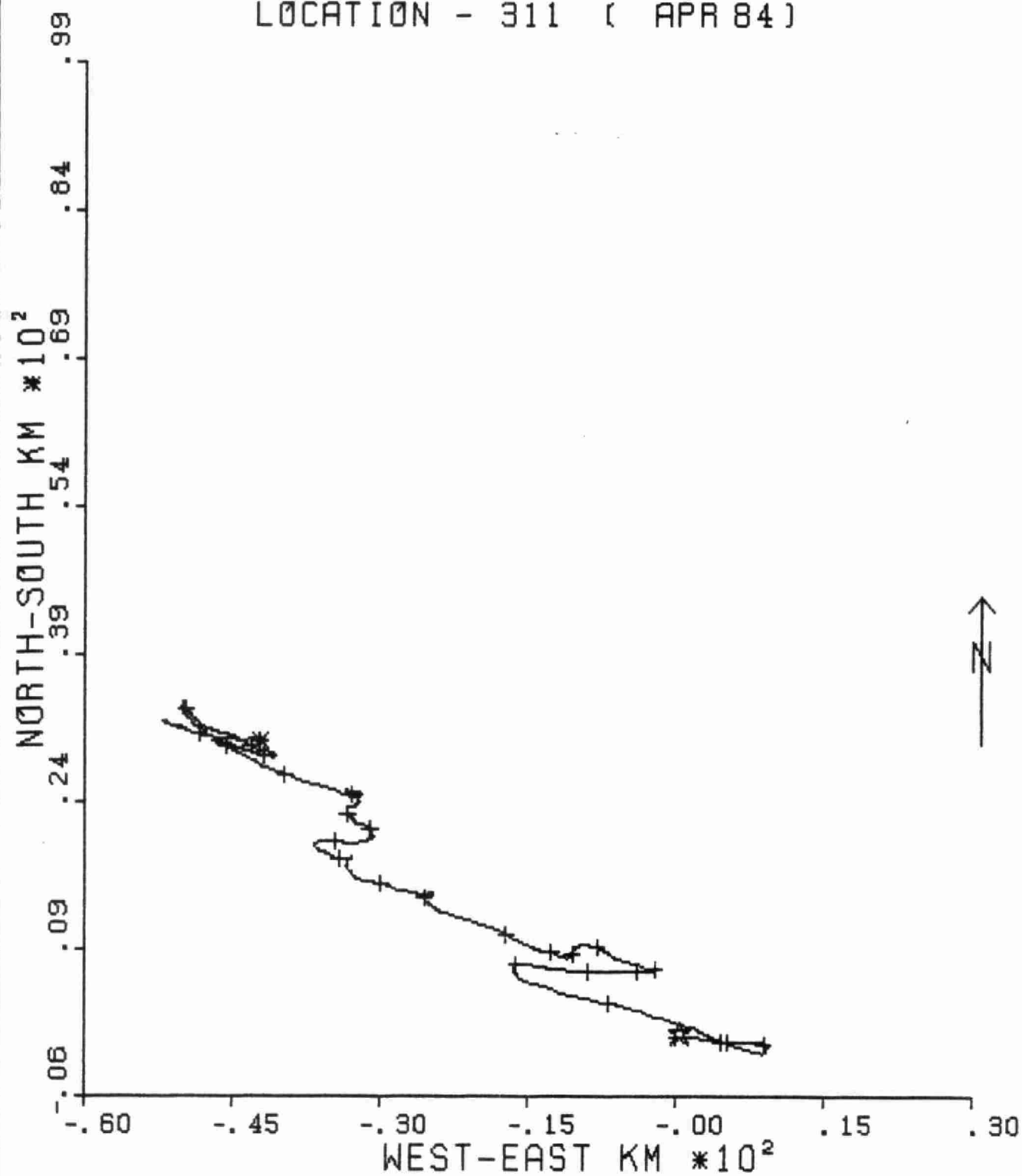


FIG.3.62: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( MAY 84 )

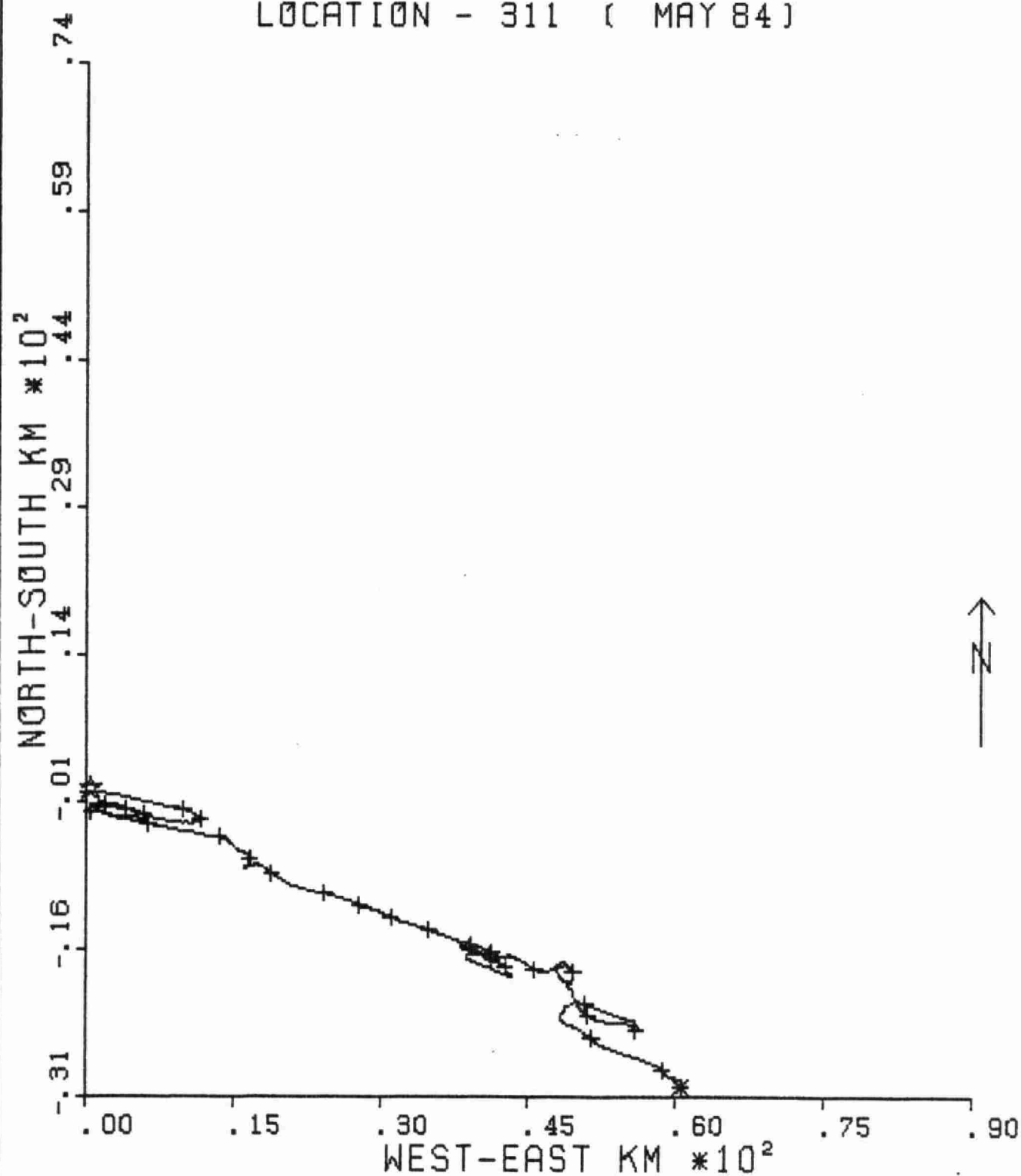


FIG.3.63: PROGRESSIVE VECTOR PLOT: ☆ START AND \* END OF RECORD  
HUMBER ONTARIO PLACE L. ONT.



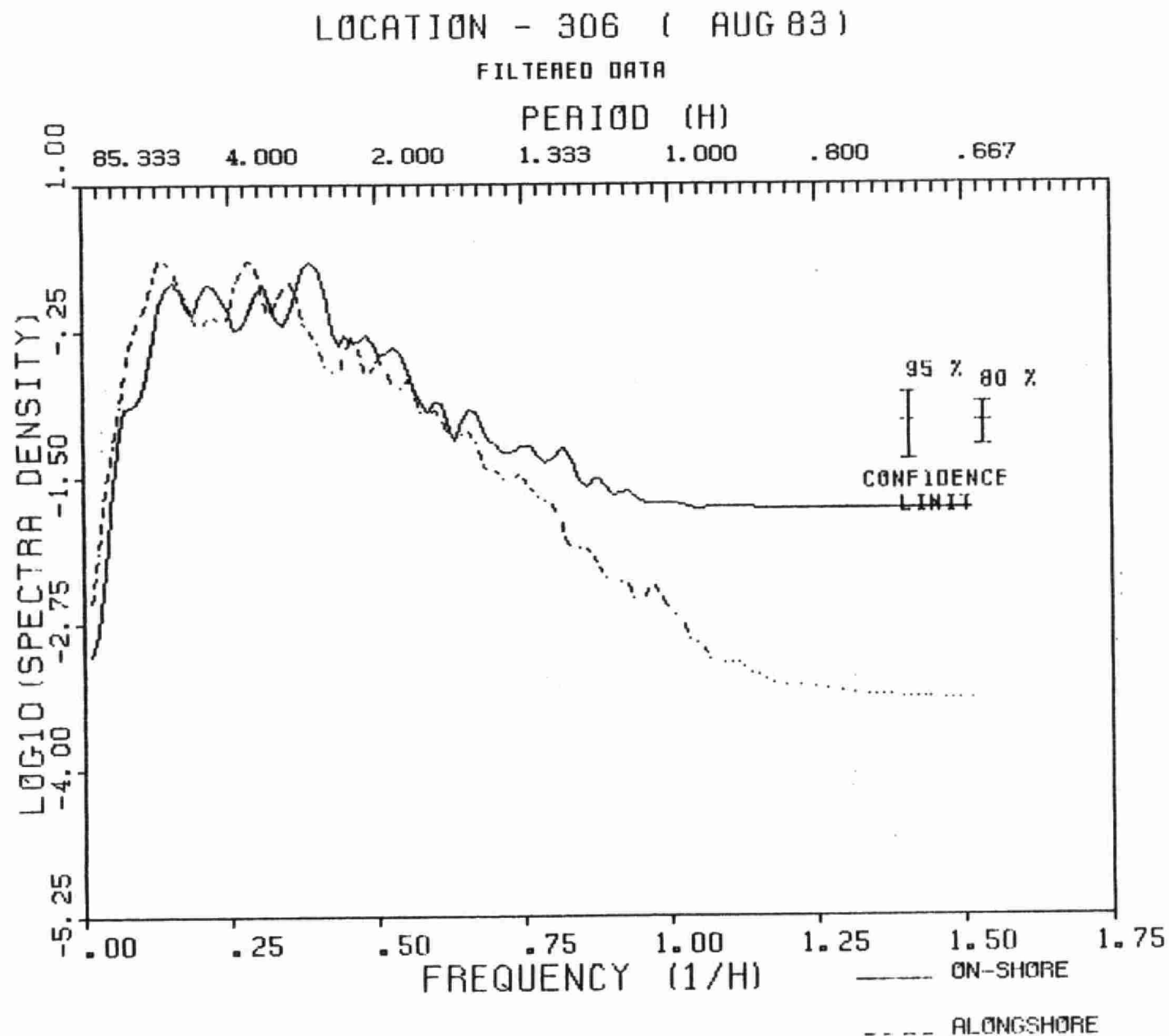


FIG. 4.01 : SPECTRA DENSITY : HUM. BAY-BLVD. CLUB L.ONT

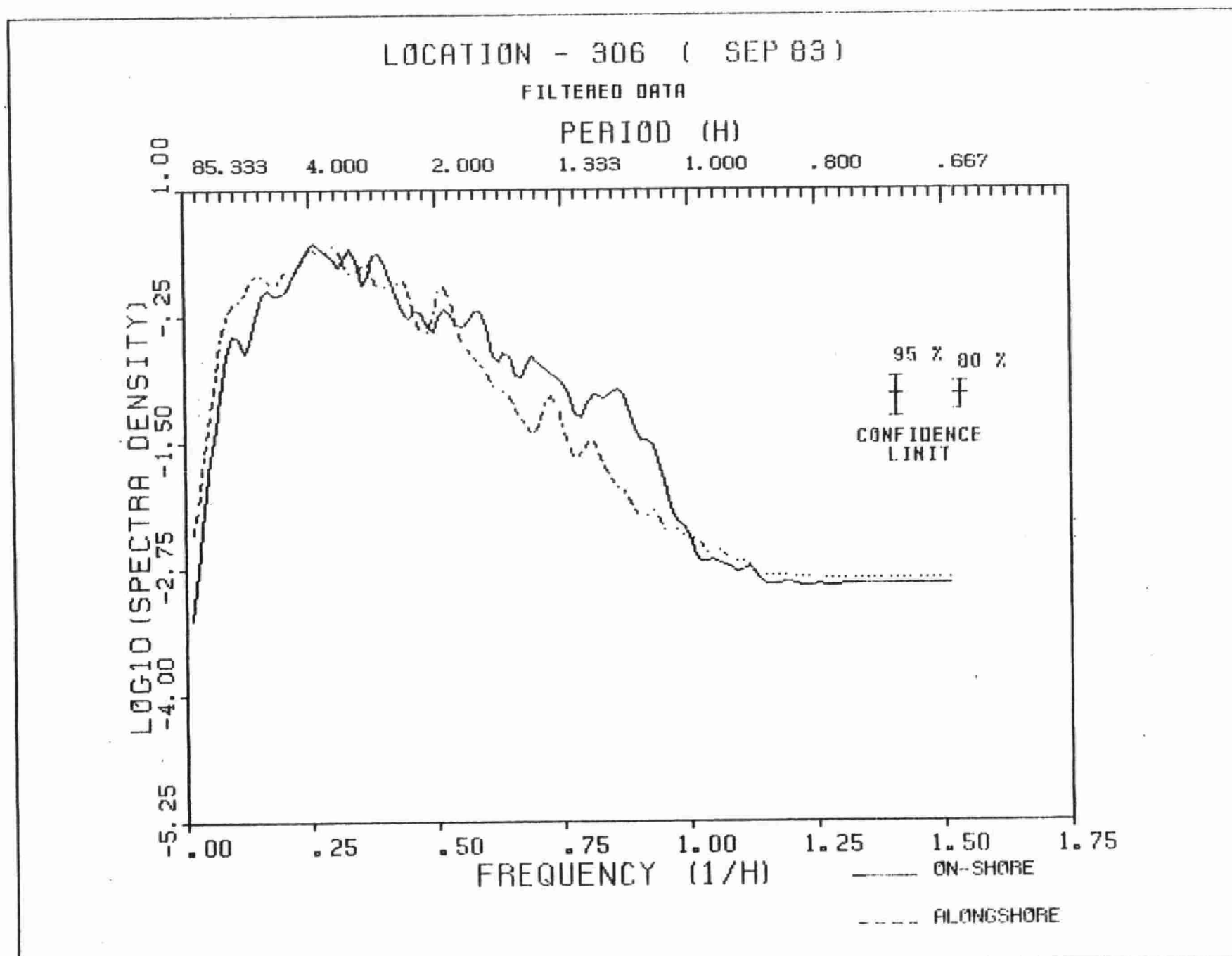


FIG. 4.02 : SPECTRA DENSITY : HUM. BAY-BLVD. CLUB L. ONT

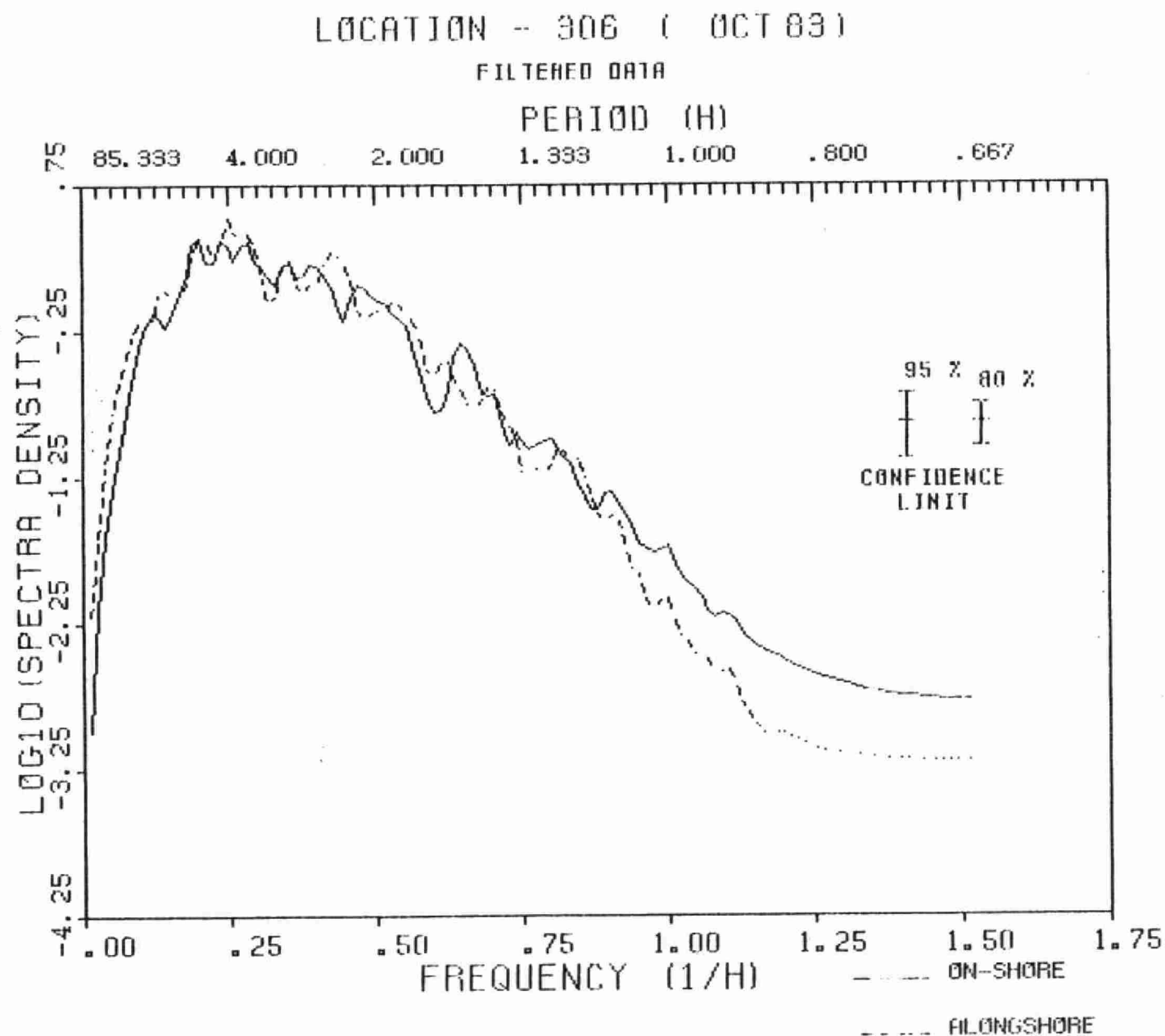


FIG. 4.03 : SPECTRA DENSITY : HUM. BAY-BLVD. CLUB L. ONT

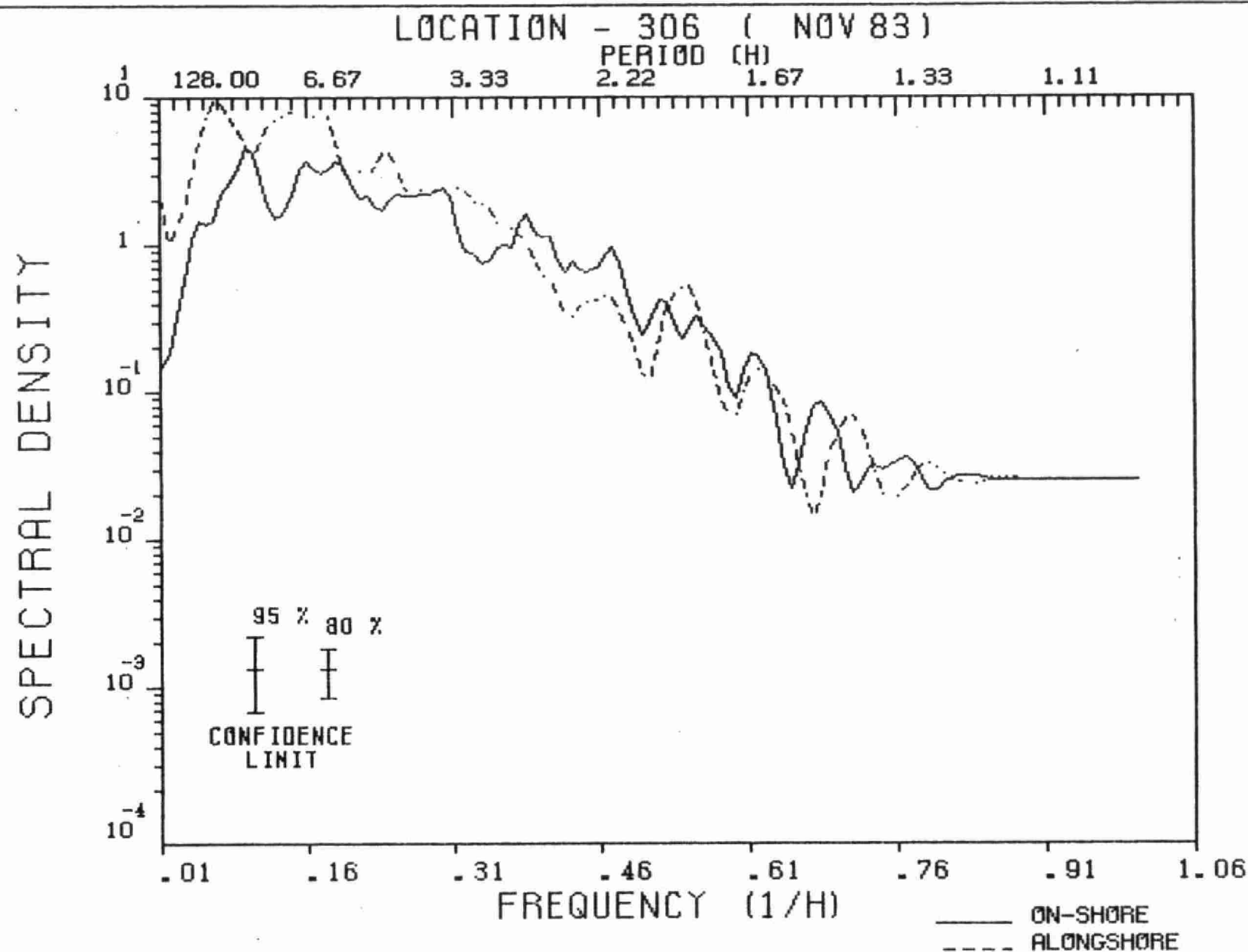


FIG. 4.04 : SPECTRA DENSITY : HUMBER BOULEVARD L. ONT.

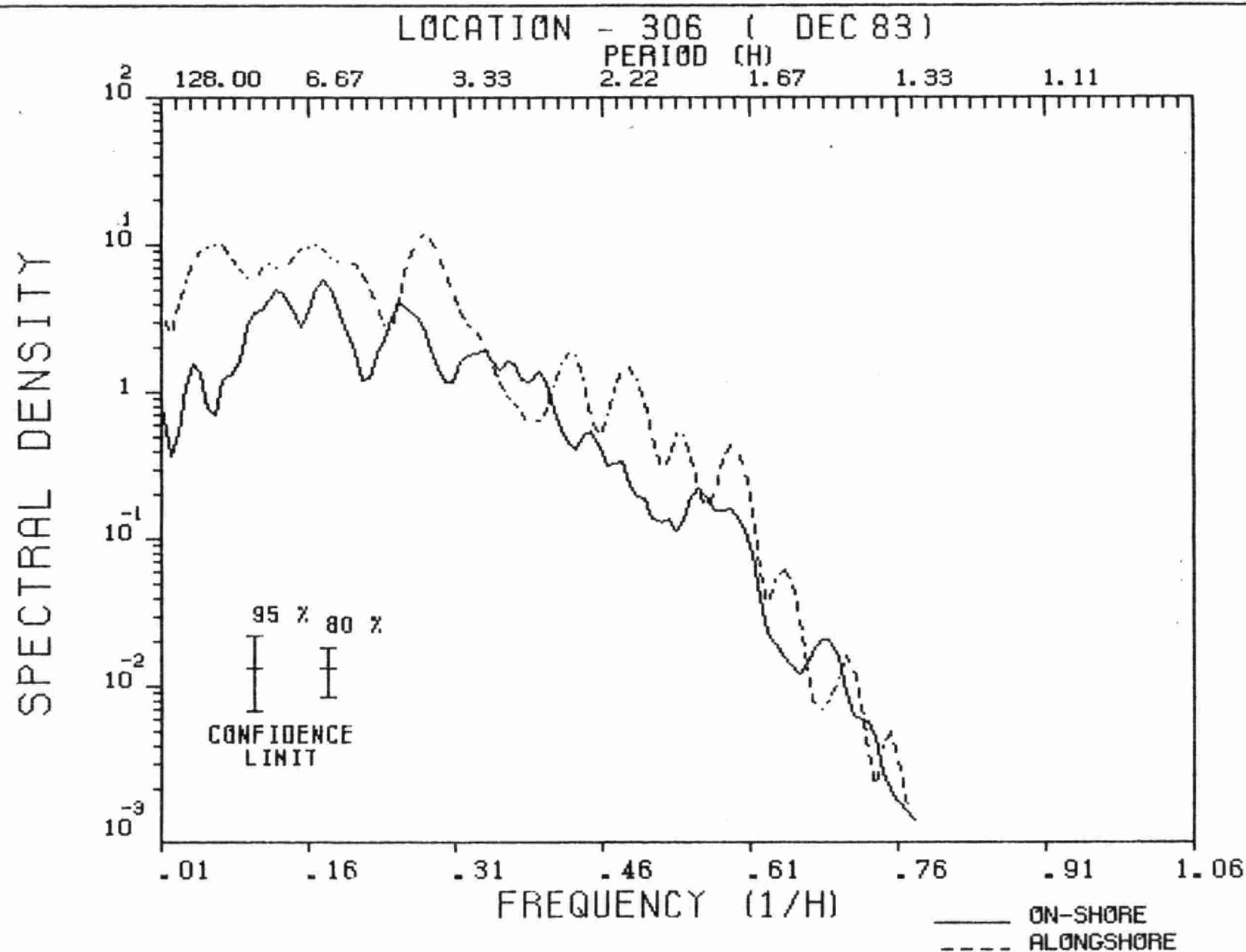


FIG. 4.05 : SPECTRA DENSITY : HUMBER BOULEVARD L. ONT.

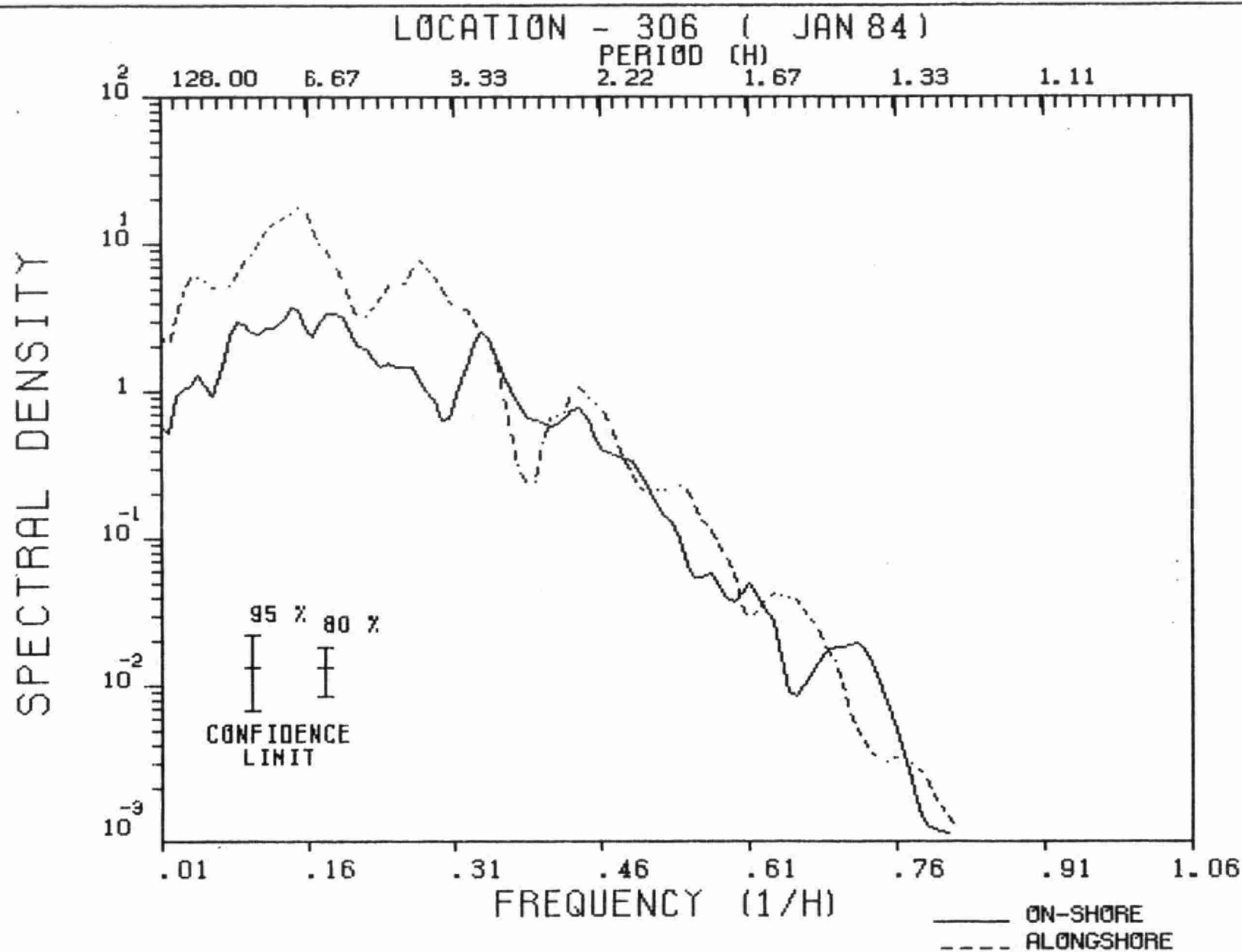


FIG. 4.06 : SPECTRA DENSITY : HUMBER BOULEVARD L. ONT.

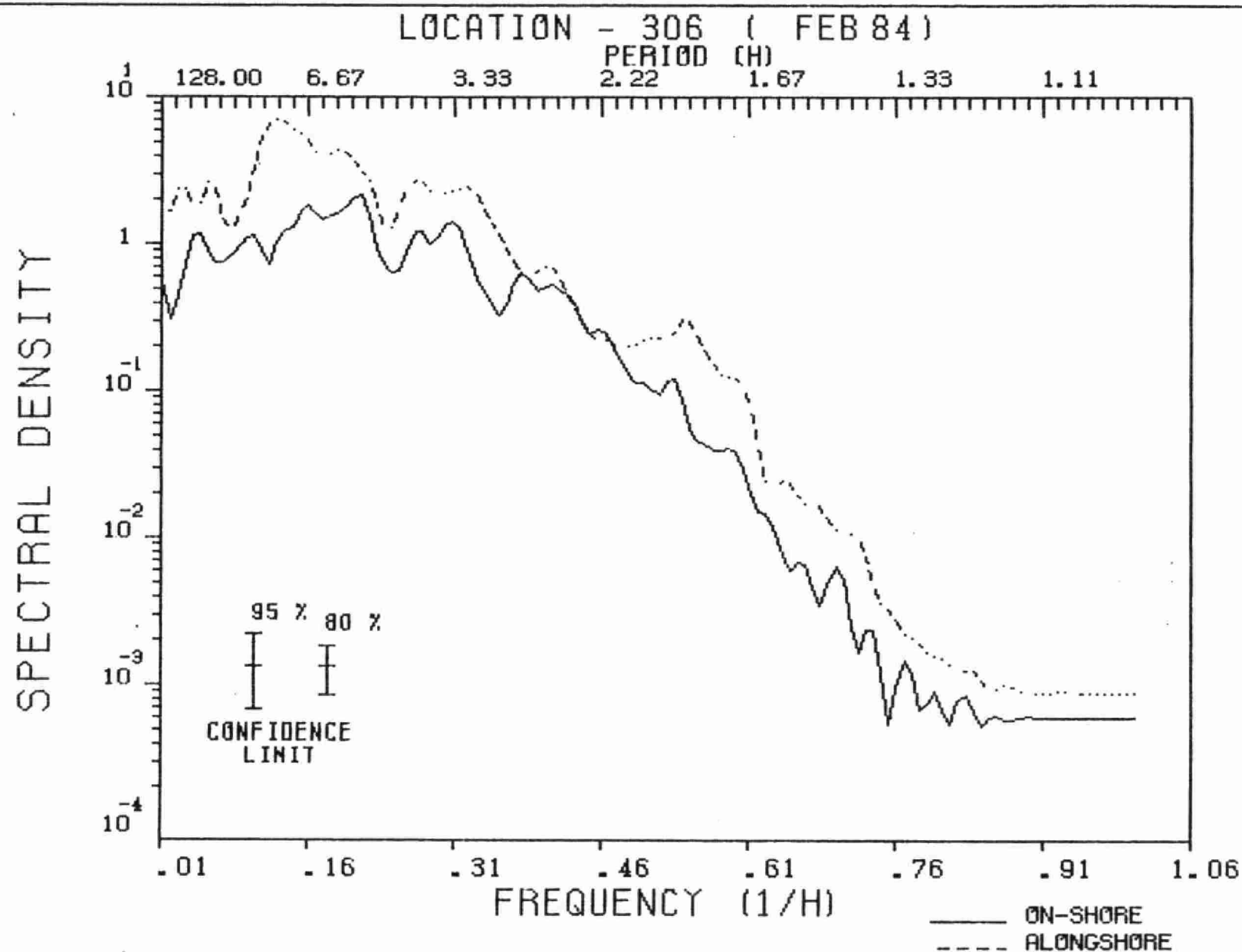


FIG. 4.07 : SPECTRA DENSITY : HUMBER BOULEVARD L. ONT.

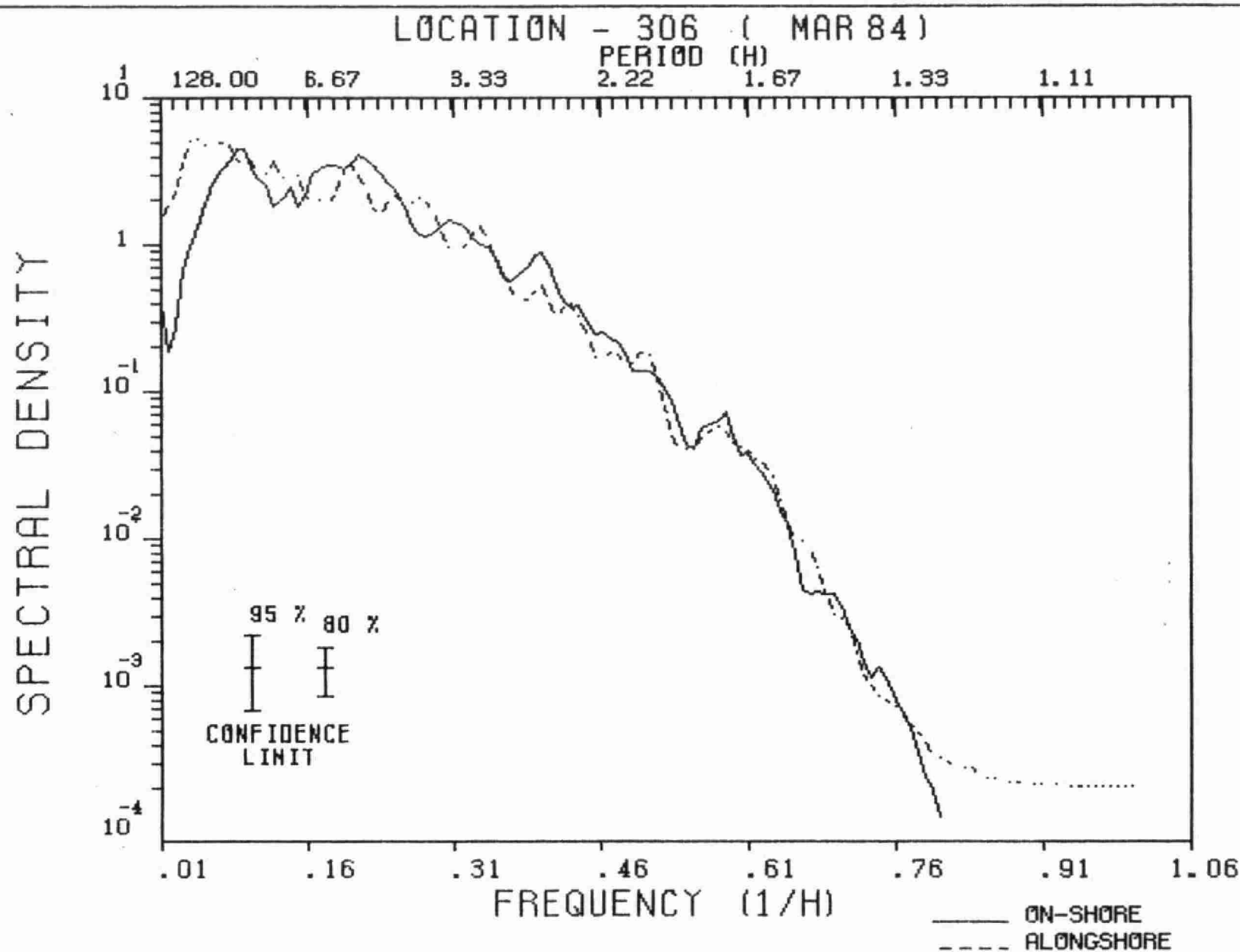


FIG. 4.08 : SPECTRA DENSITY : HUMBER BOULEVARD CLUZ L. ONT.



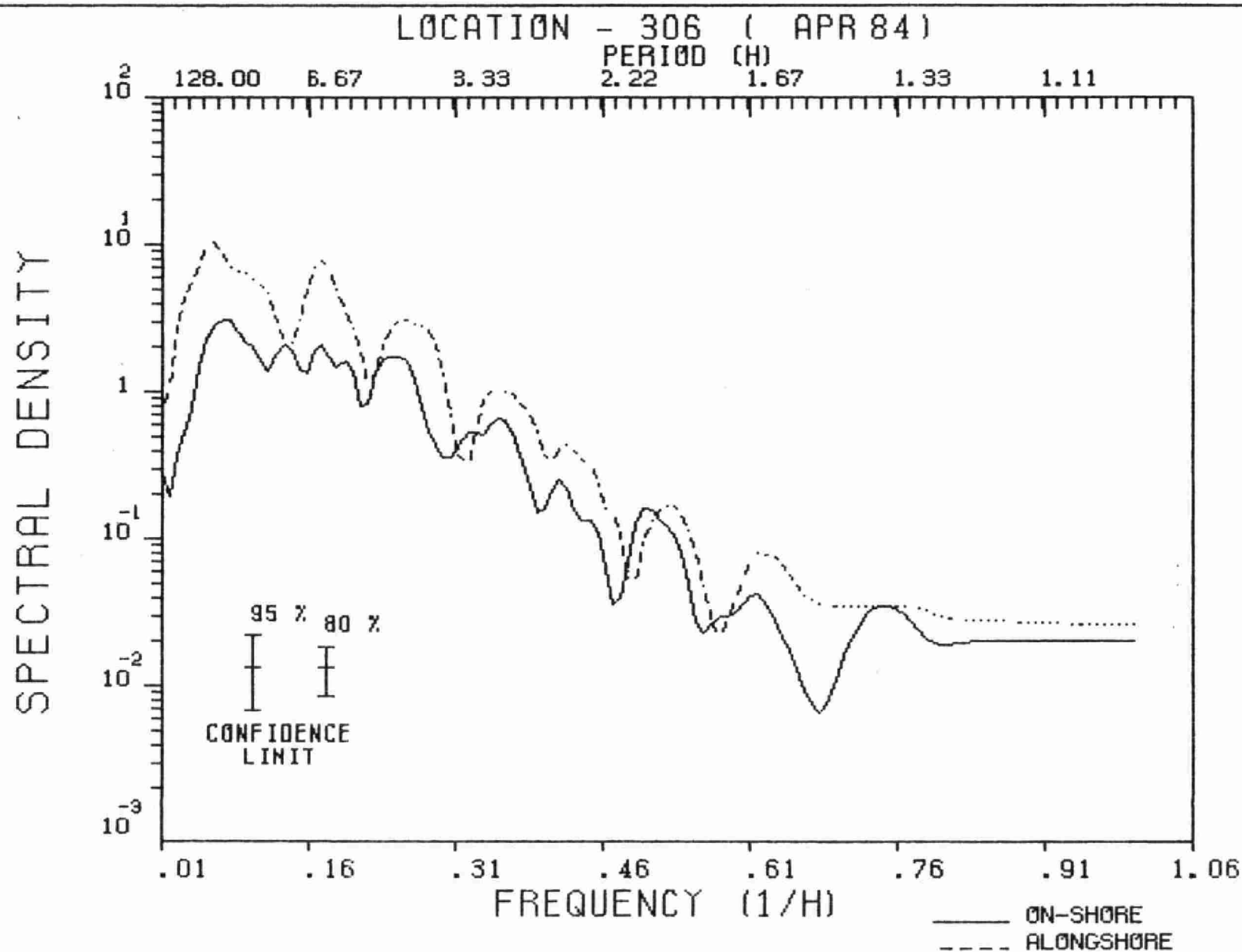


FIG. 4.09 : SPECTRA DENSITY : HUMBER BOULEVARD L. ONT.

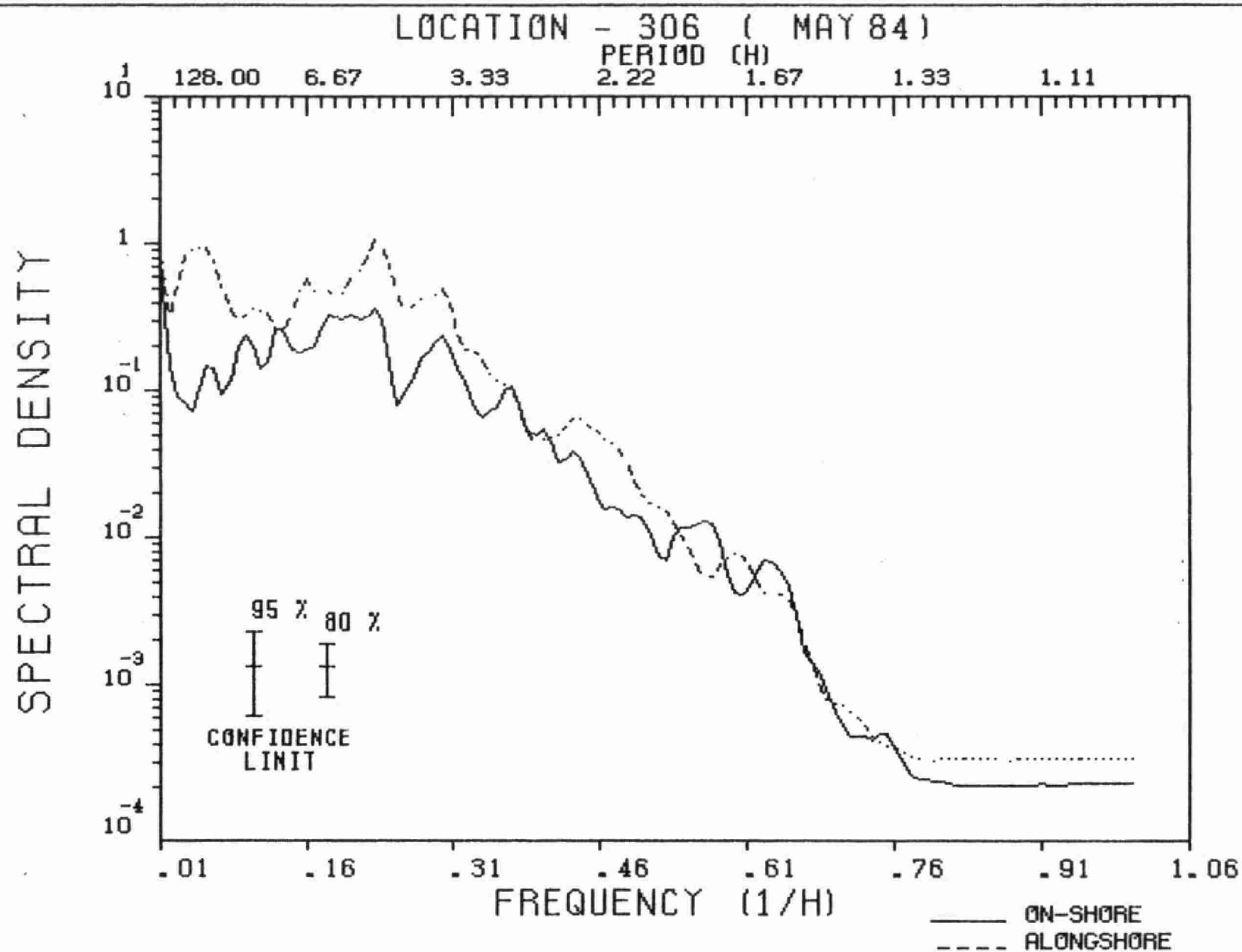
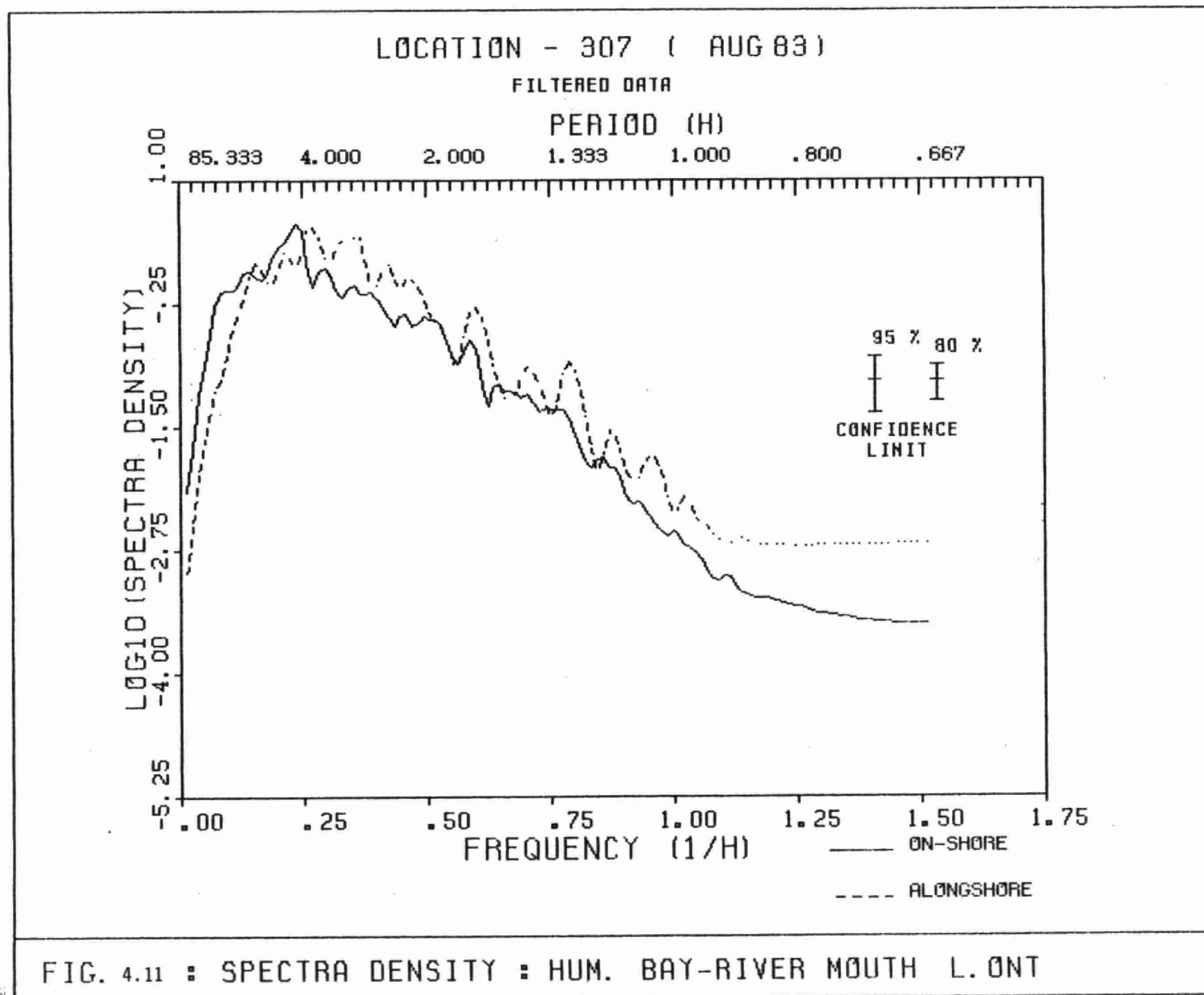


FIG. 4.10 : SPECTRA DENSITY : HUMBER BOULEVARD L. ONT.



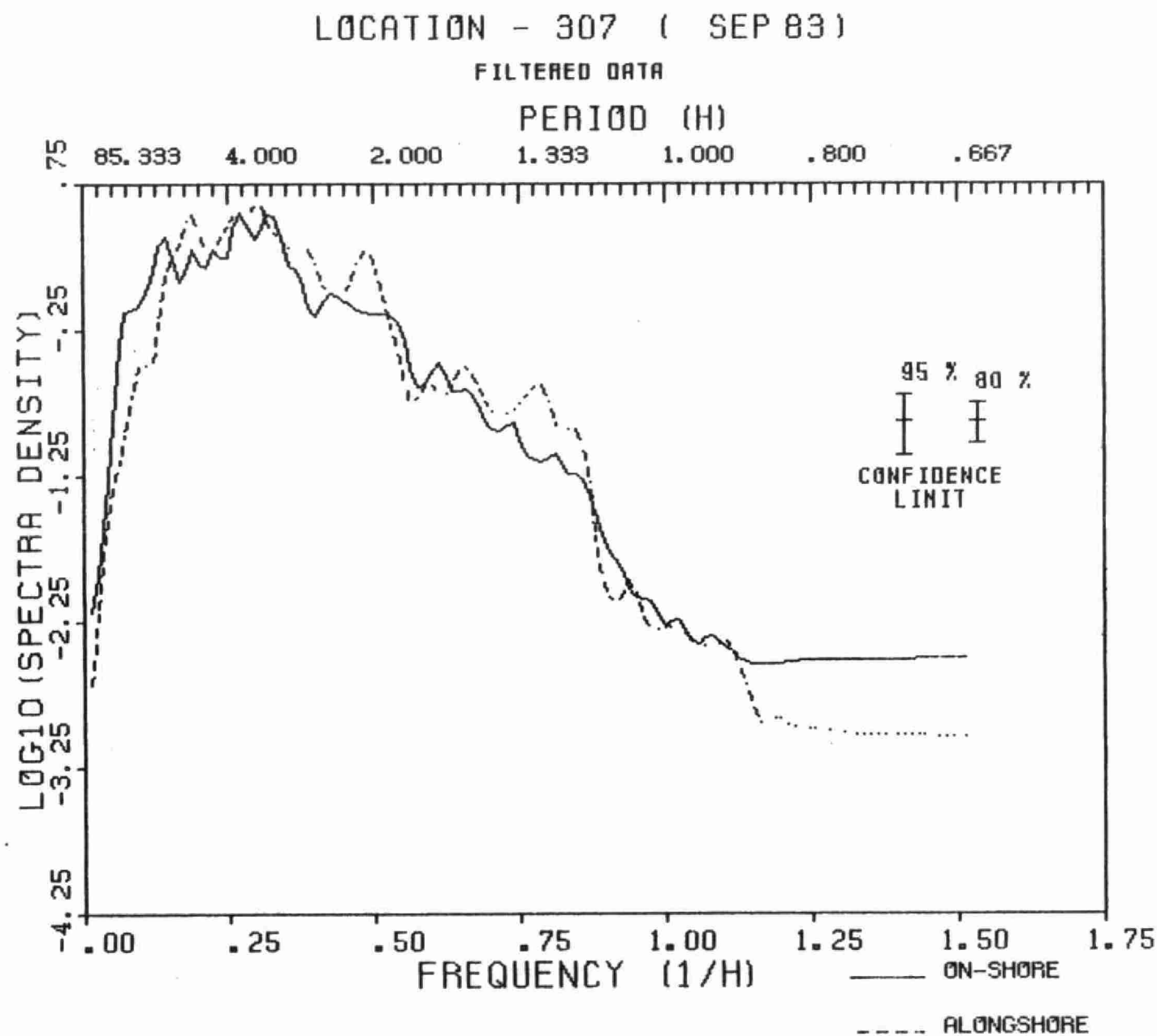


FIG. 4.12 : SPECTRA DENSITY : HUM. BAY-RIVER MOUTH L. ONT

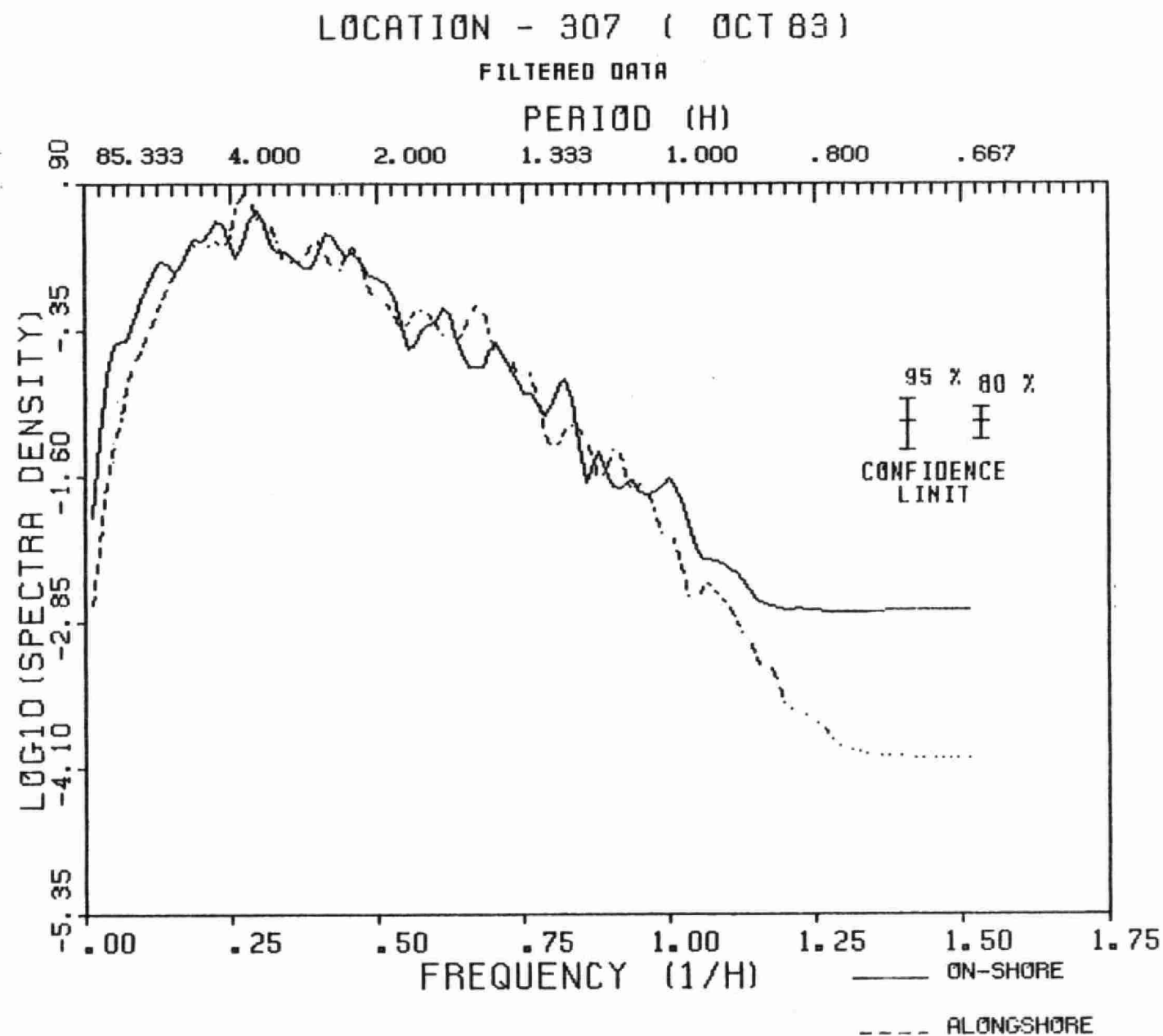


FIG. 4.13 : SPECTRA DENSITY : HUM. BAY-RIVER MOUTH L. ONT

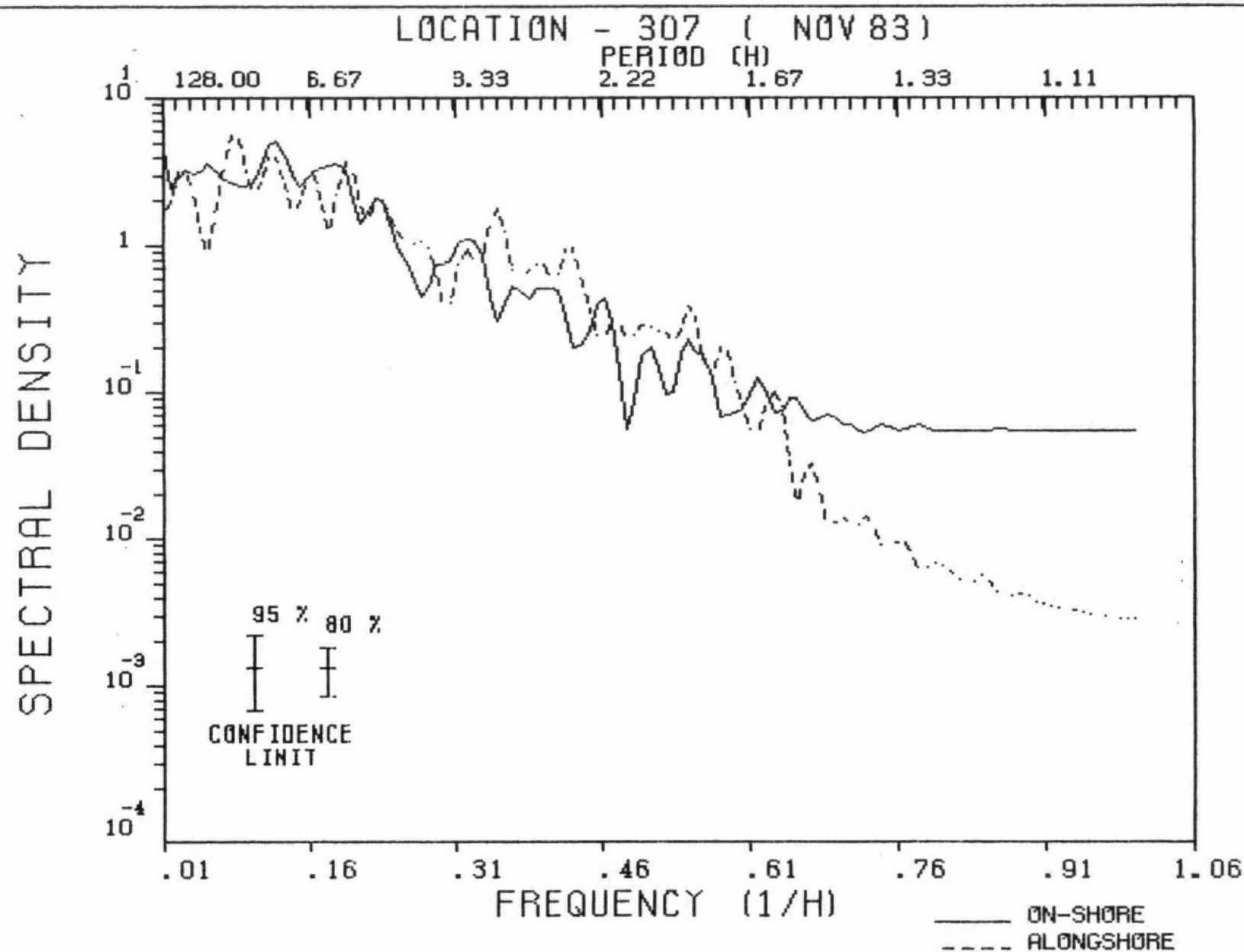
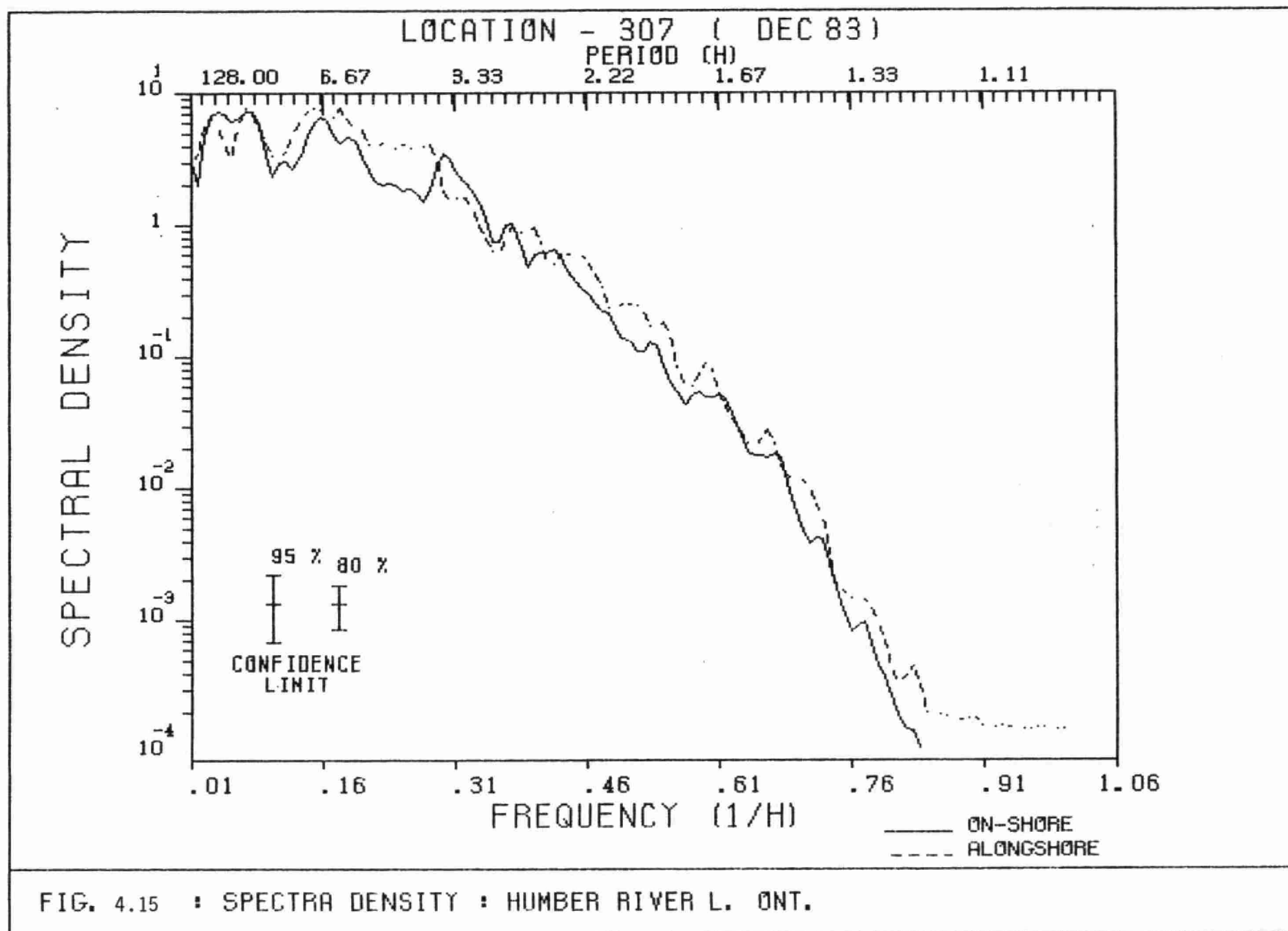


FIG. 4.14 : SPECTRA DENSITY : HUMBER RIVER L. ONT.



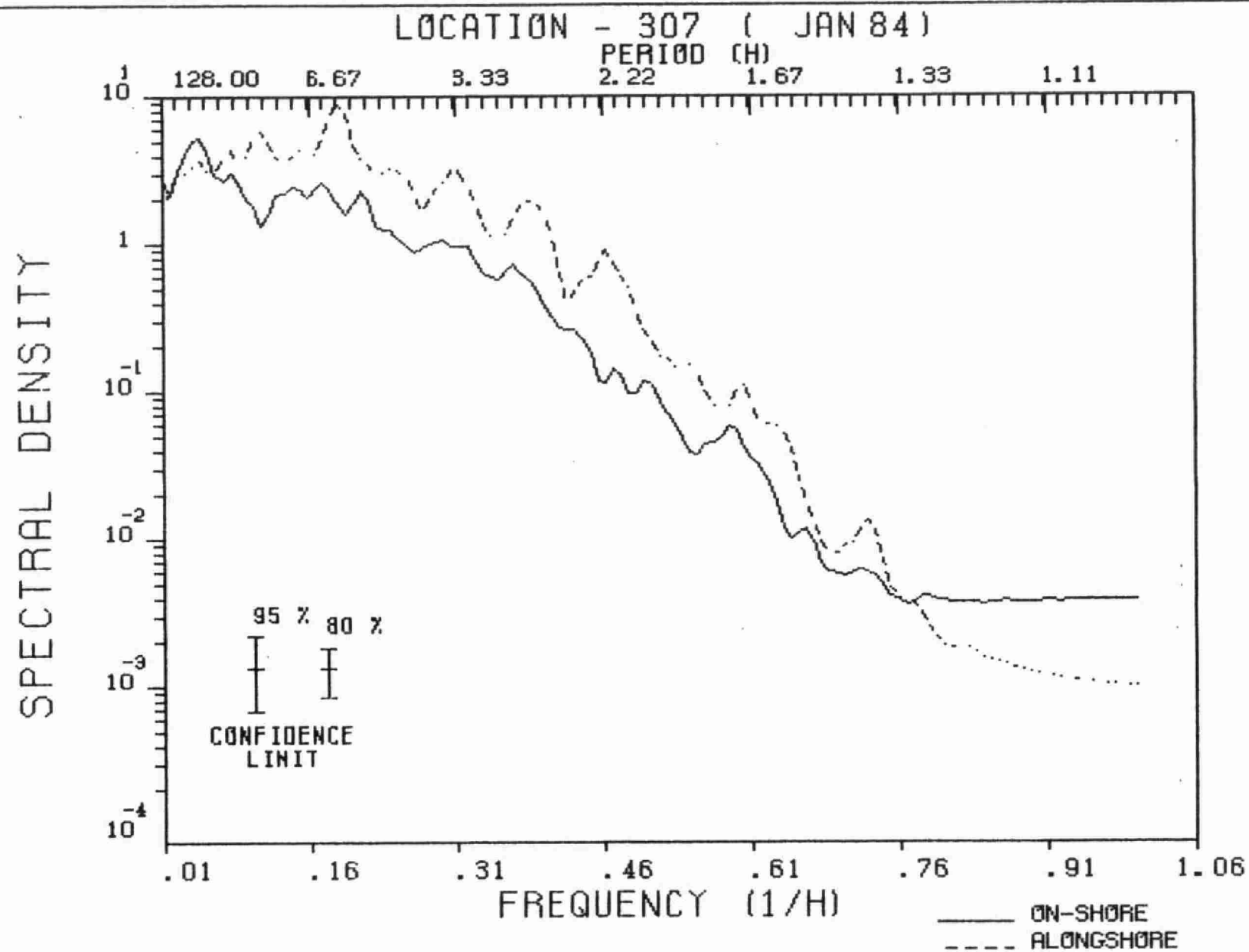


FIG. 4.16 : SPECTRA DENSITY : HUMBER RIVER L. ONT.



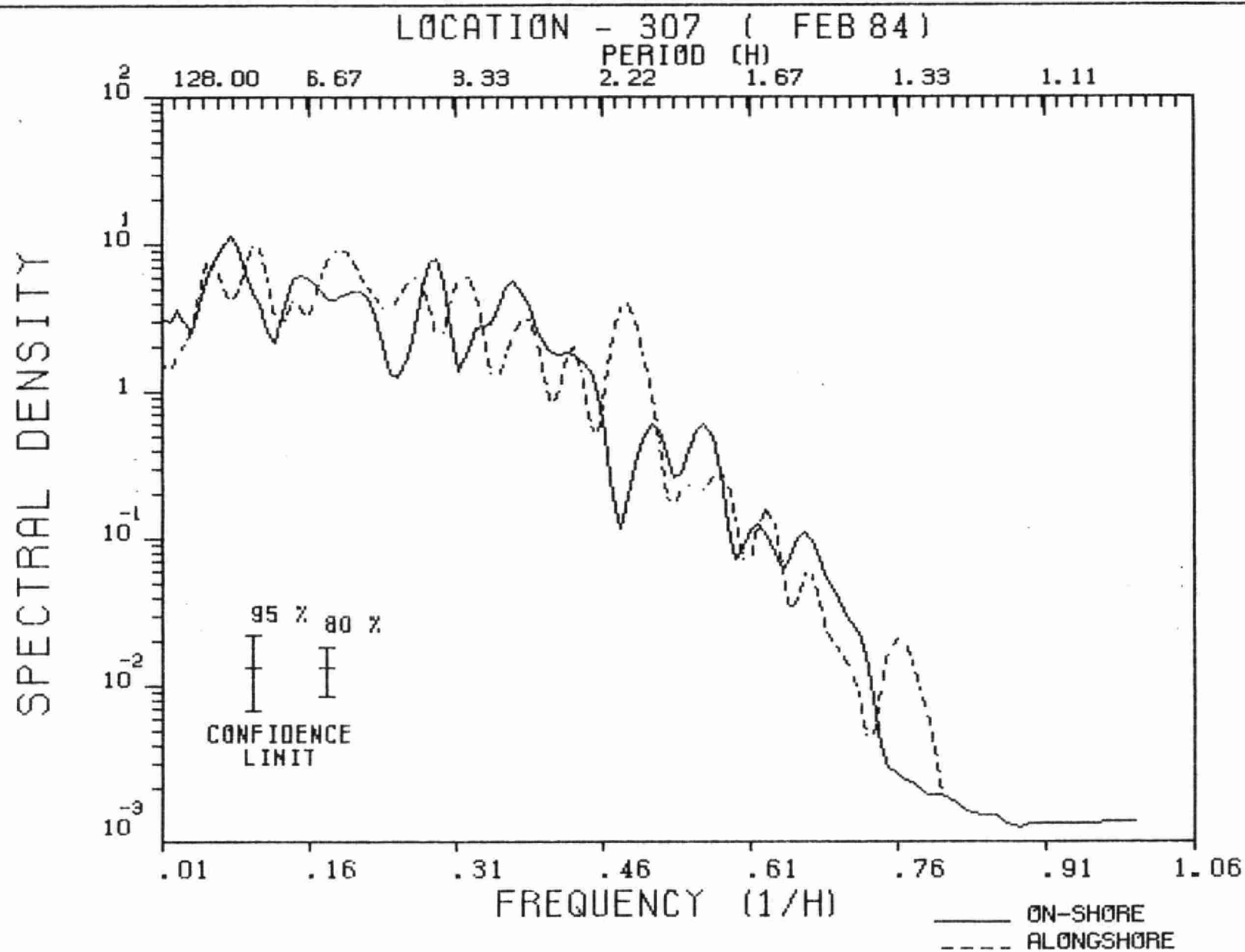


FIG. 4.17 : SPECTRA DENSITY : HUMBER RIVER L. ONT.

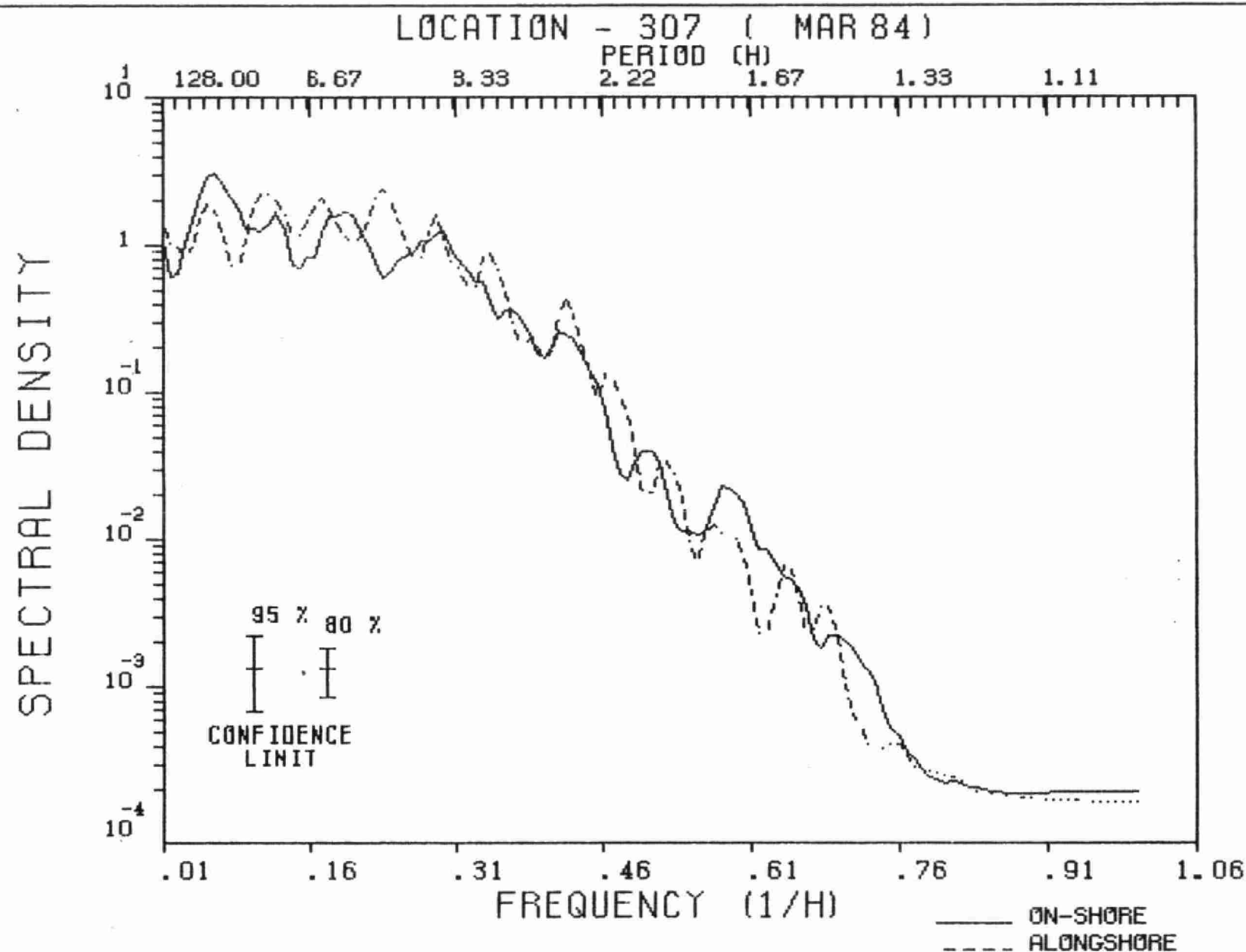


FIG. 4.18 : SPECTRA DENSITY : HUMBER RIVER L. ONT.

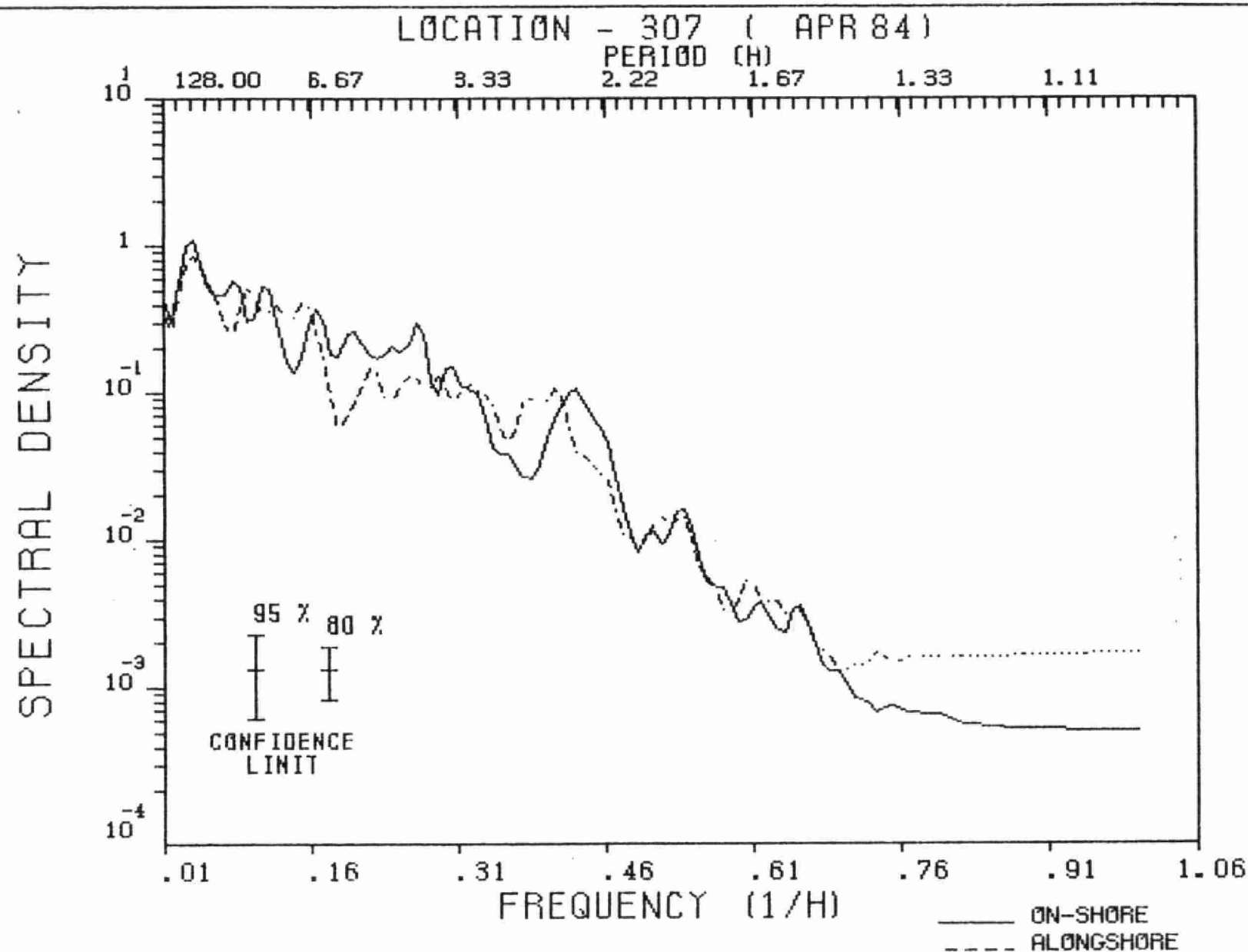


FIG. 4.19 : SPECTRA DENSITY : HUMBER RIVER L. ONT.

LOCATION - 308 ( JUL 83 )

FILTERED DATA

PERIOD (H)

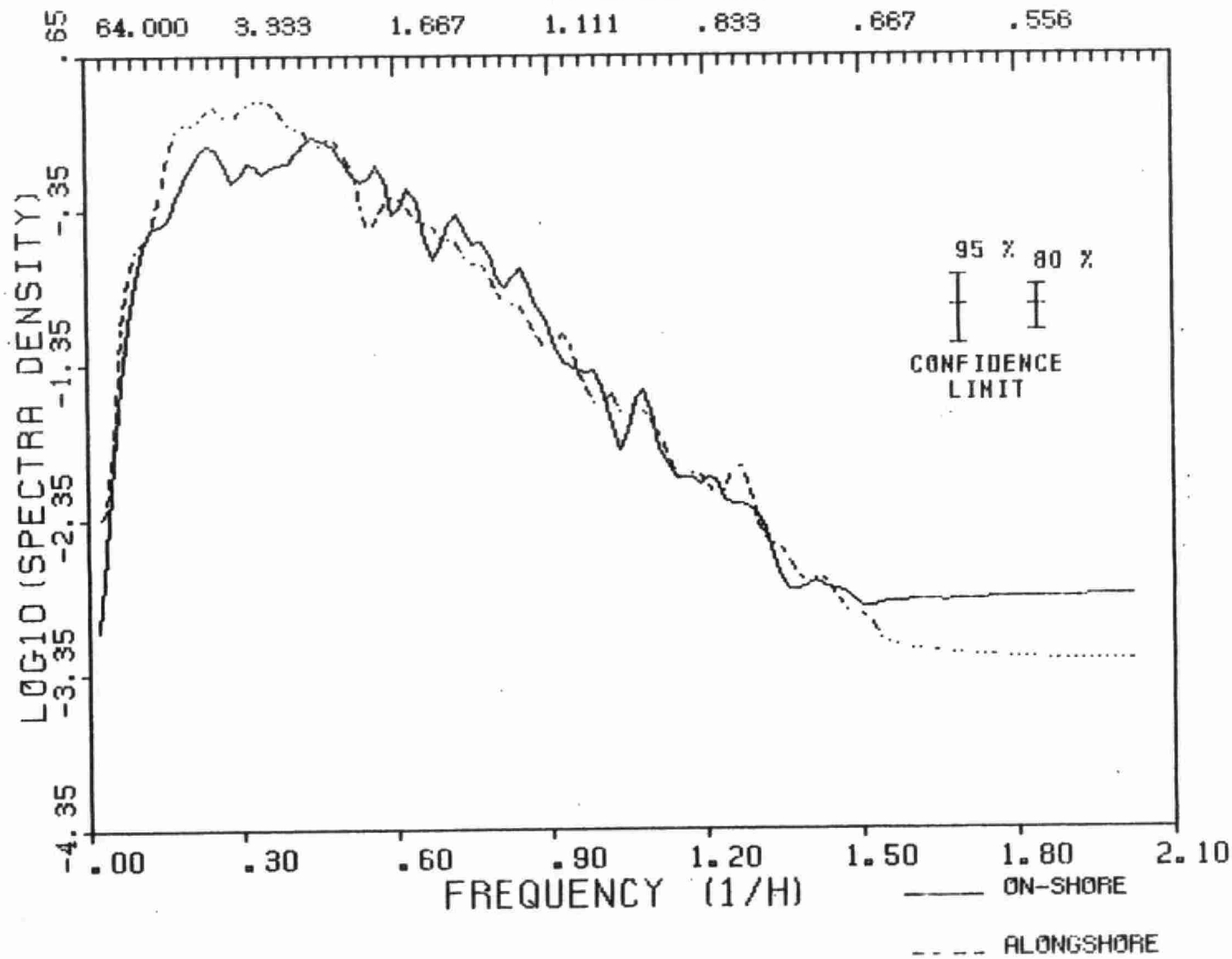
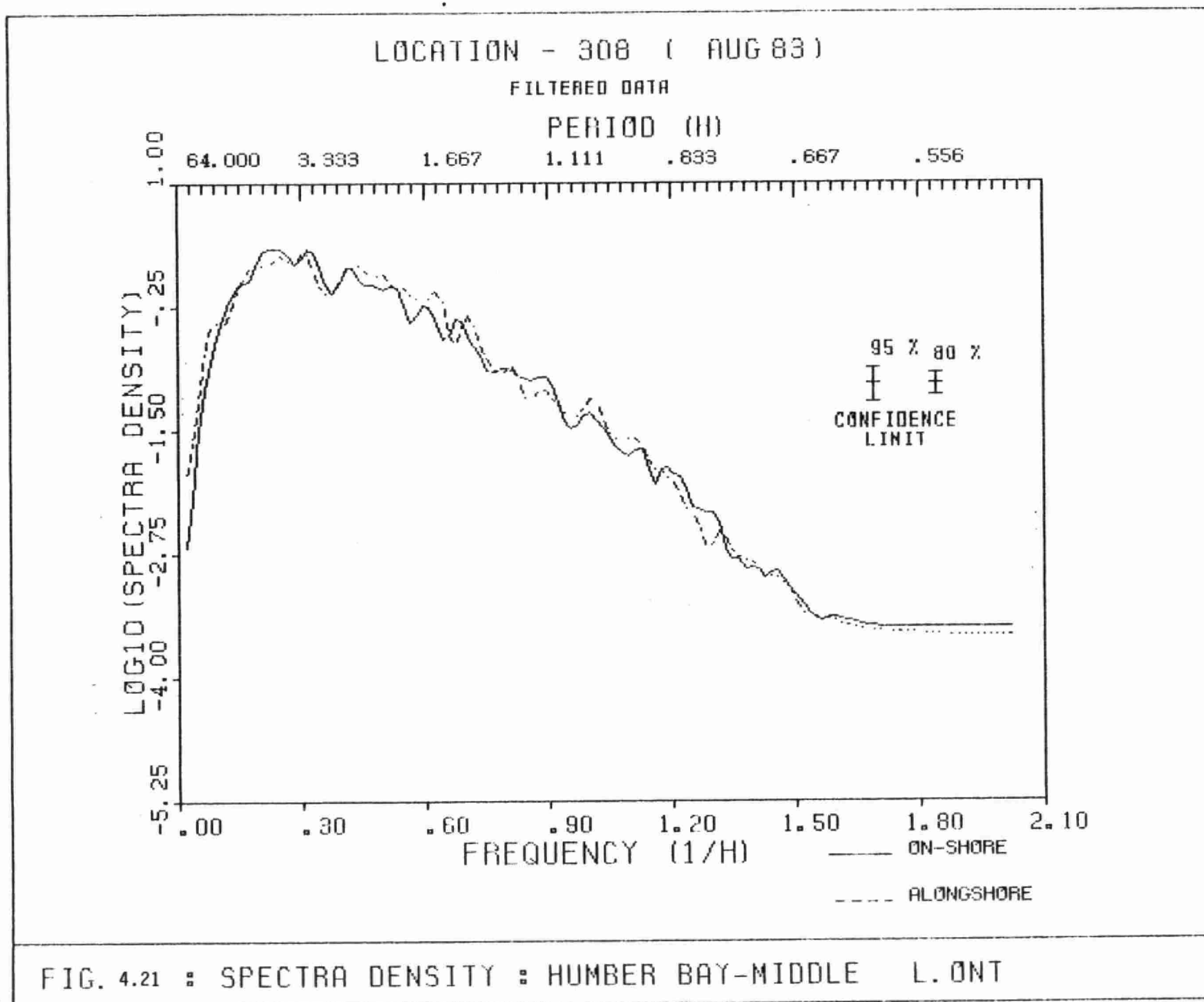


FIG. 4.20 : SPECTRA DENSITY : HUMBER BAY-MIDDLE L. ONT



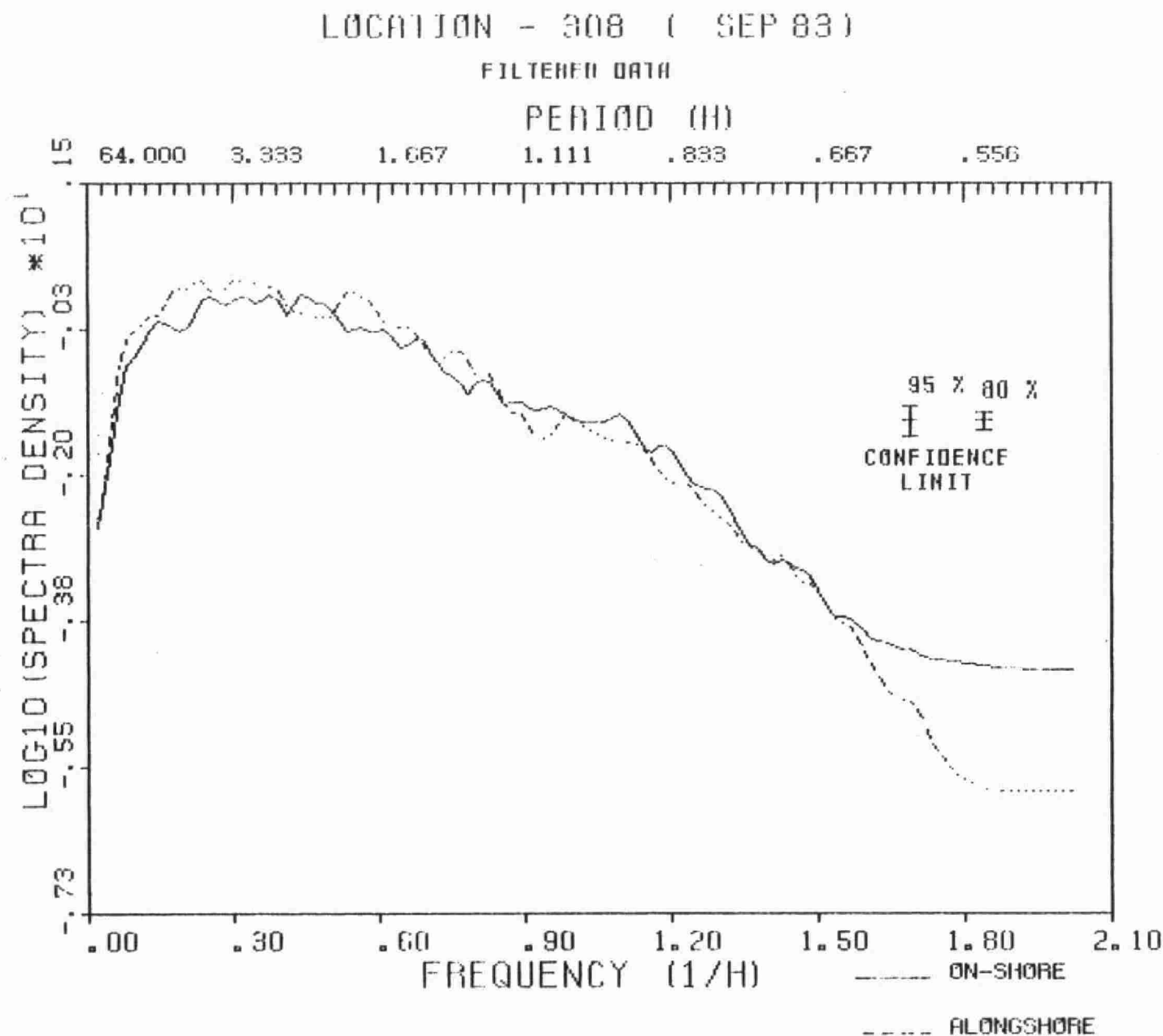
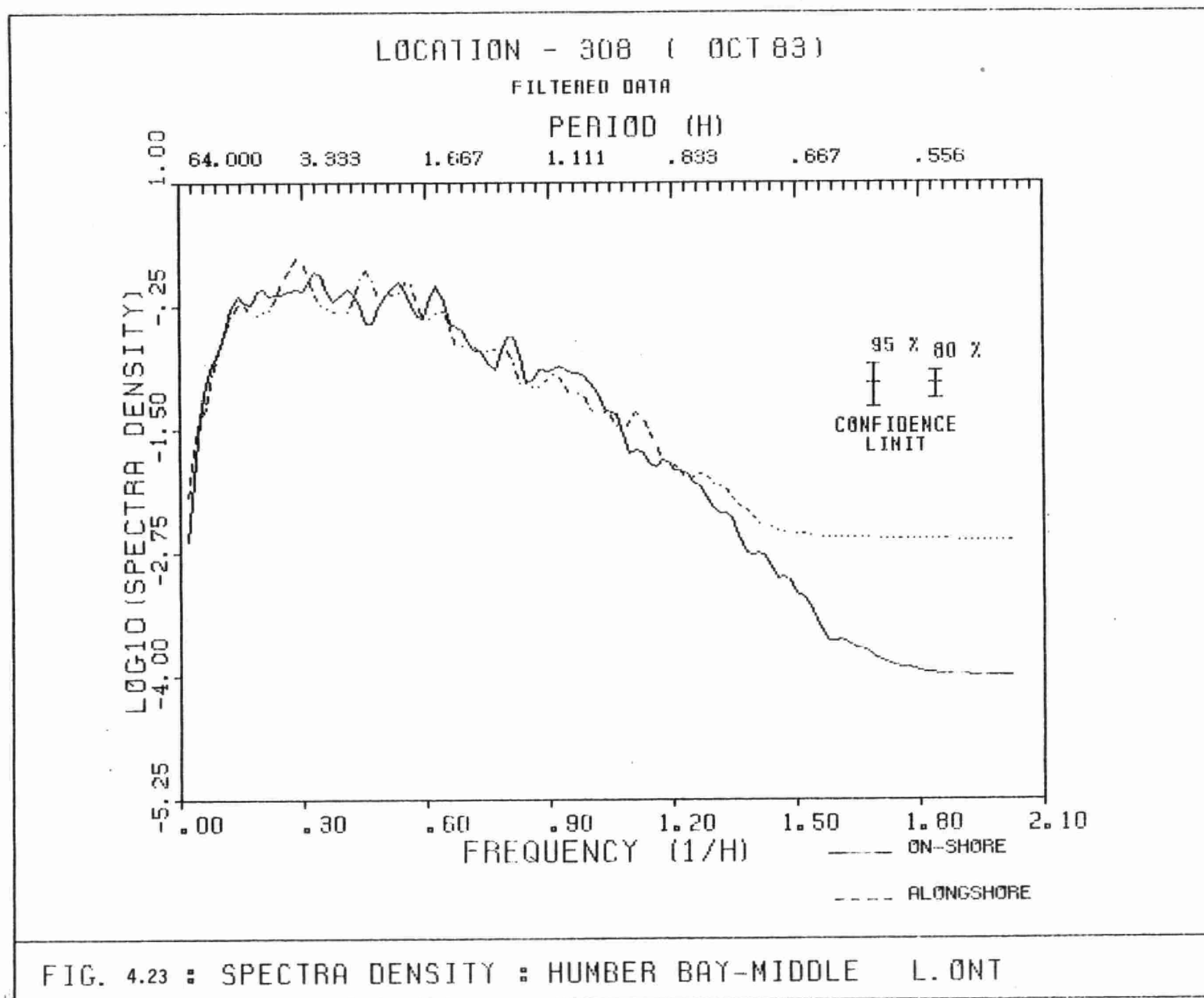


FIG. 4.22 : SPECTRA DENSITY : HUMBER BAY-MIDDLE L. ONT



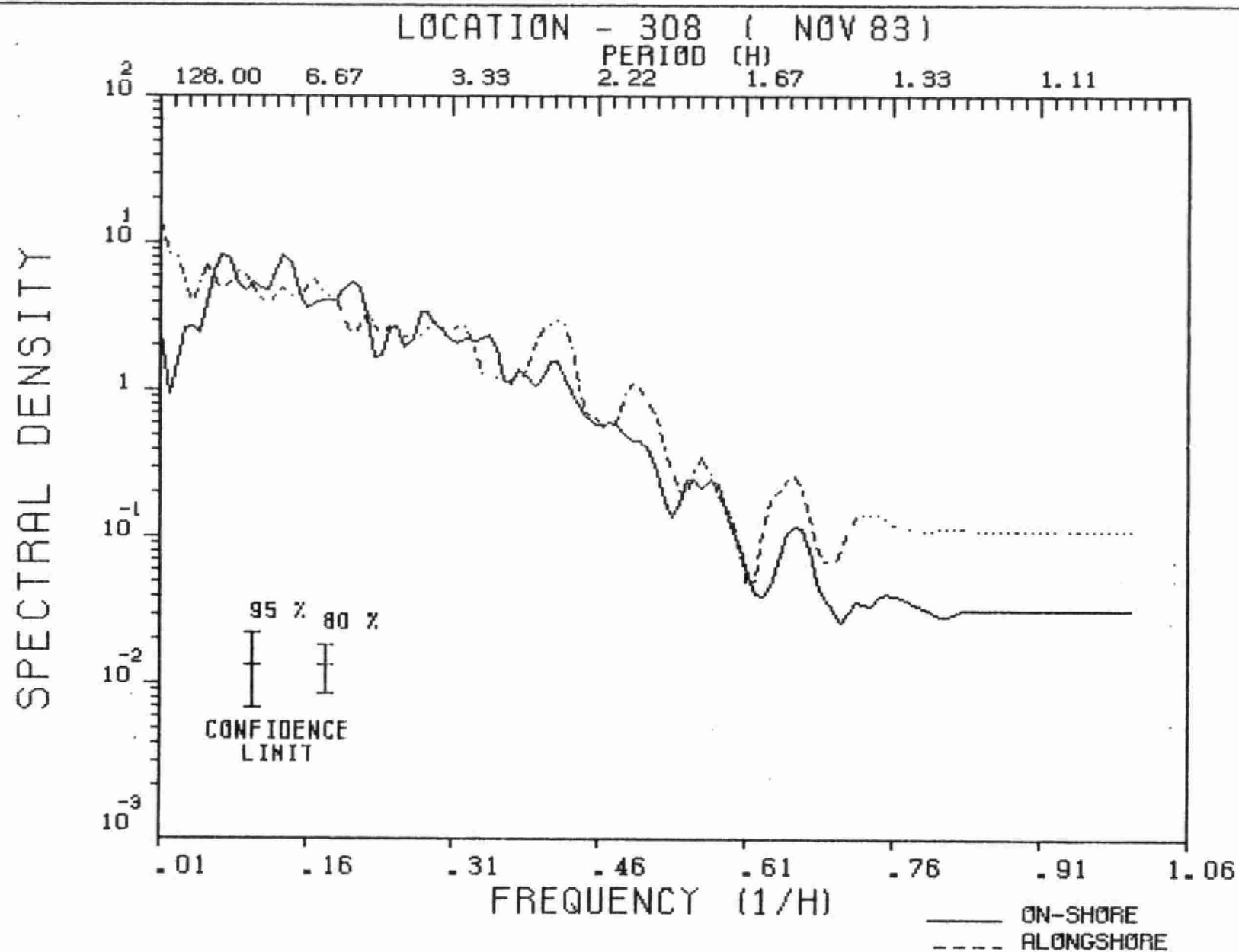


FIG. 4.24 : SPECTRA DENSITY : HUMBER BAY CENTER L. ONT.



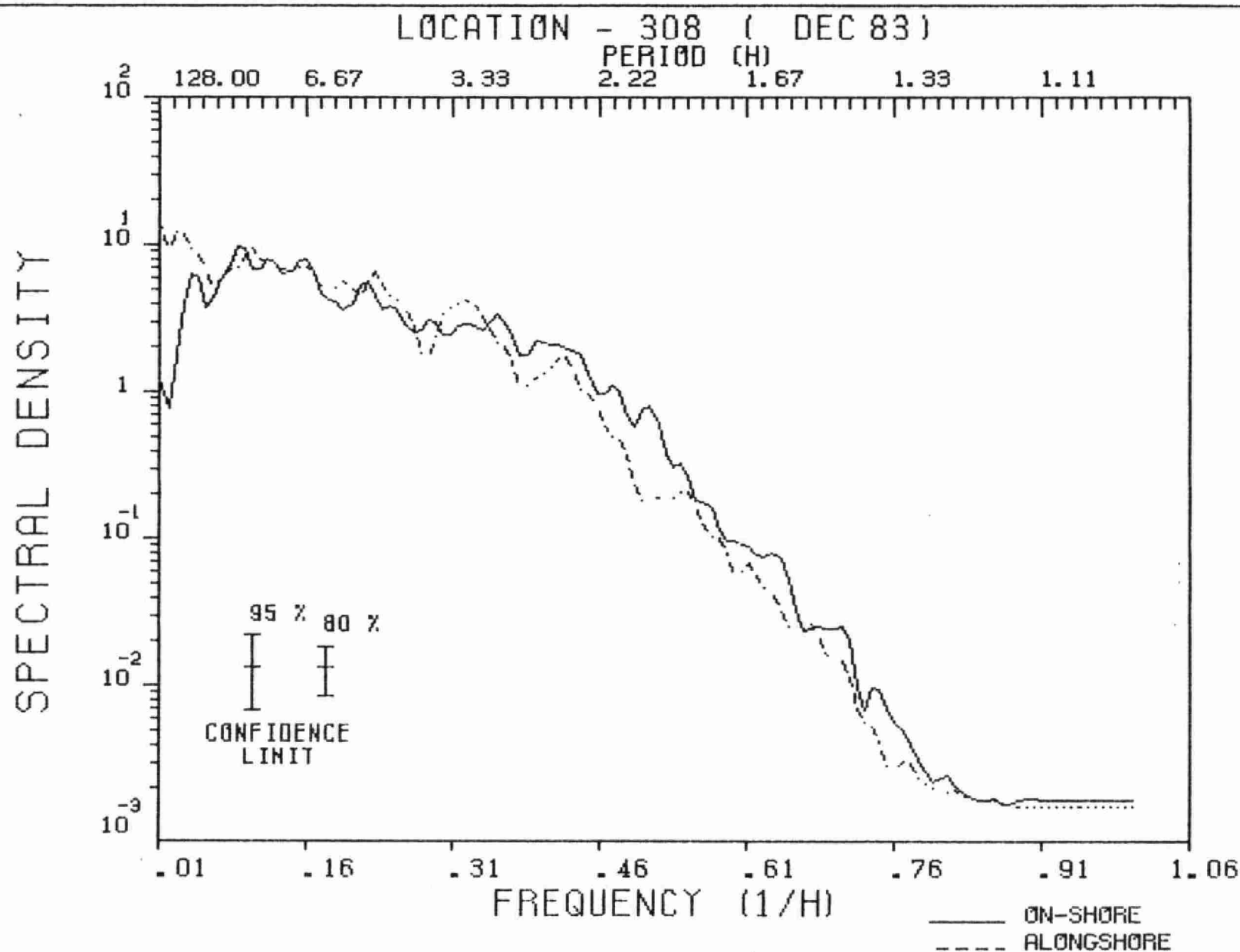


FIG. 4.25 : SPECTRA DENSITY : HUMBER BAY CENTER L. ONT.

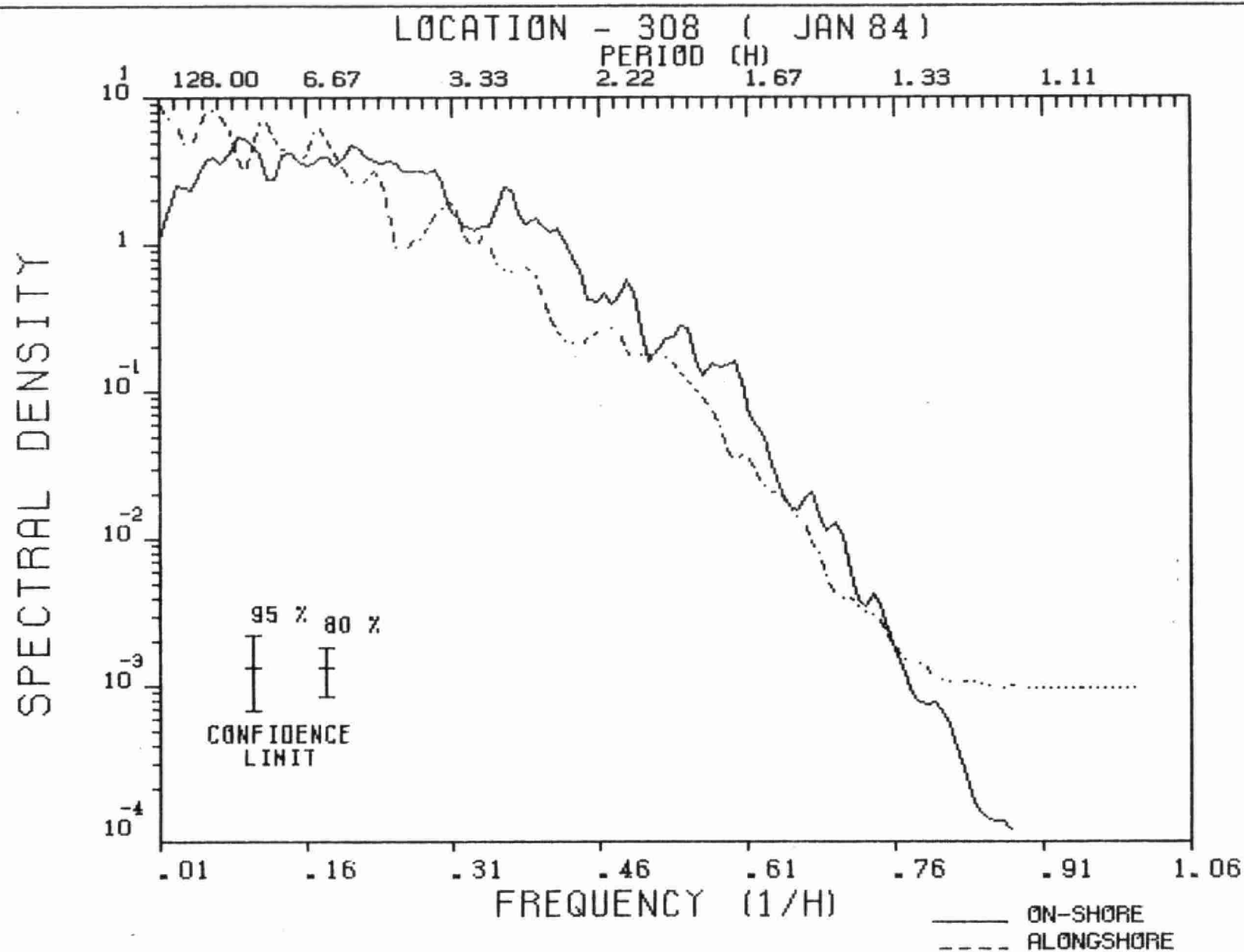


FIG. 4.26 : SPECTRA DENSITY : HUMBER BAY CENTER L. ONT.

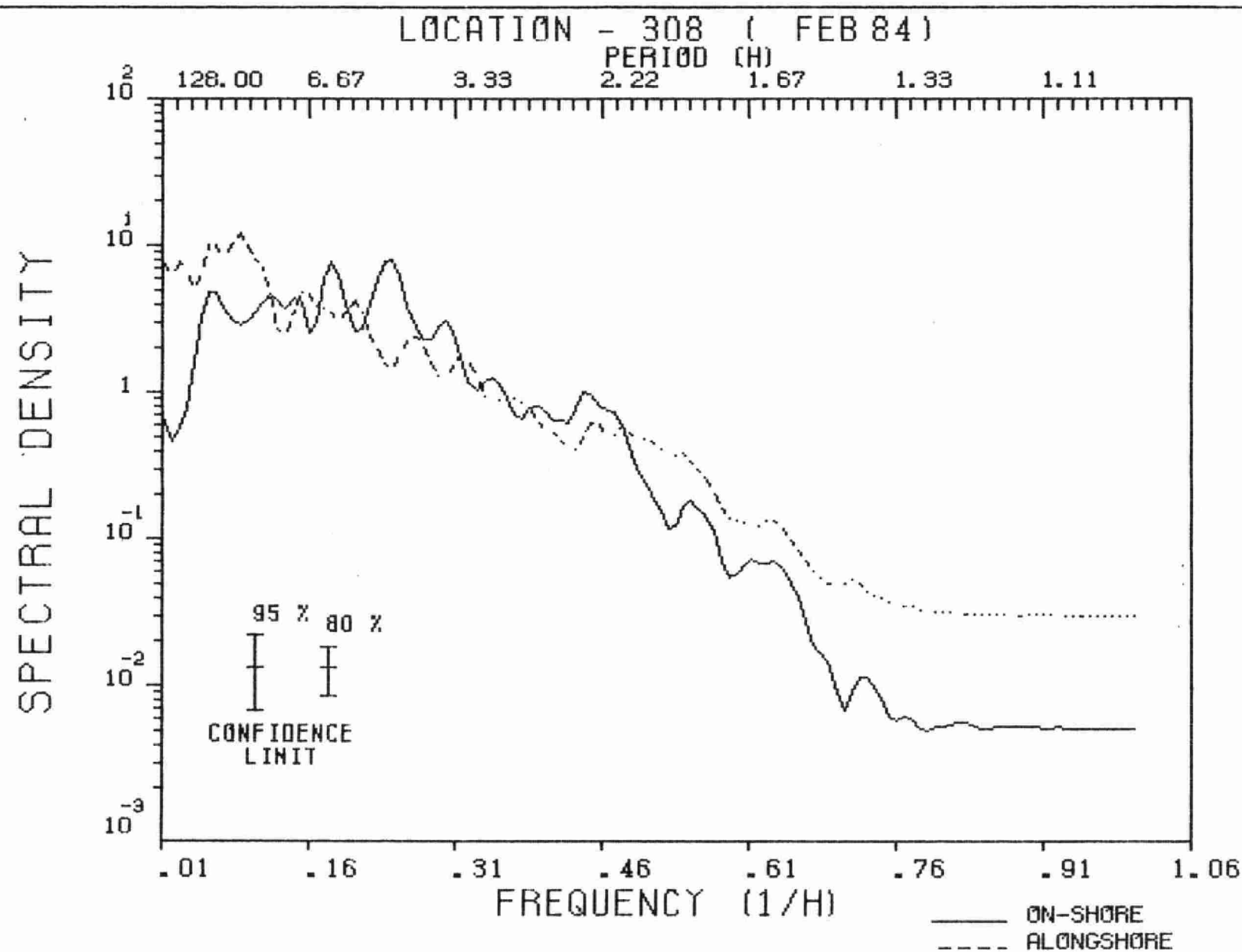


FIG. 4.27 : SPECTRA DENSITY : HUMBER BAY CENTER L. ONT.

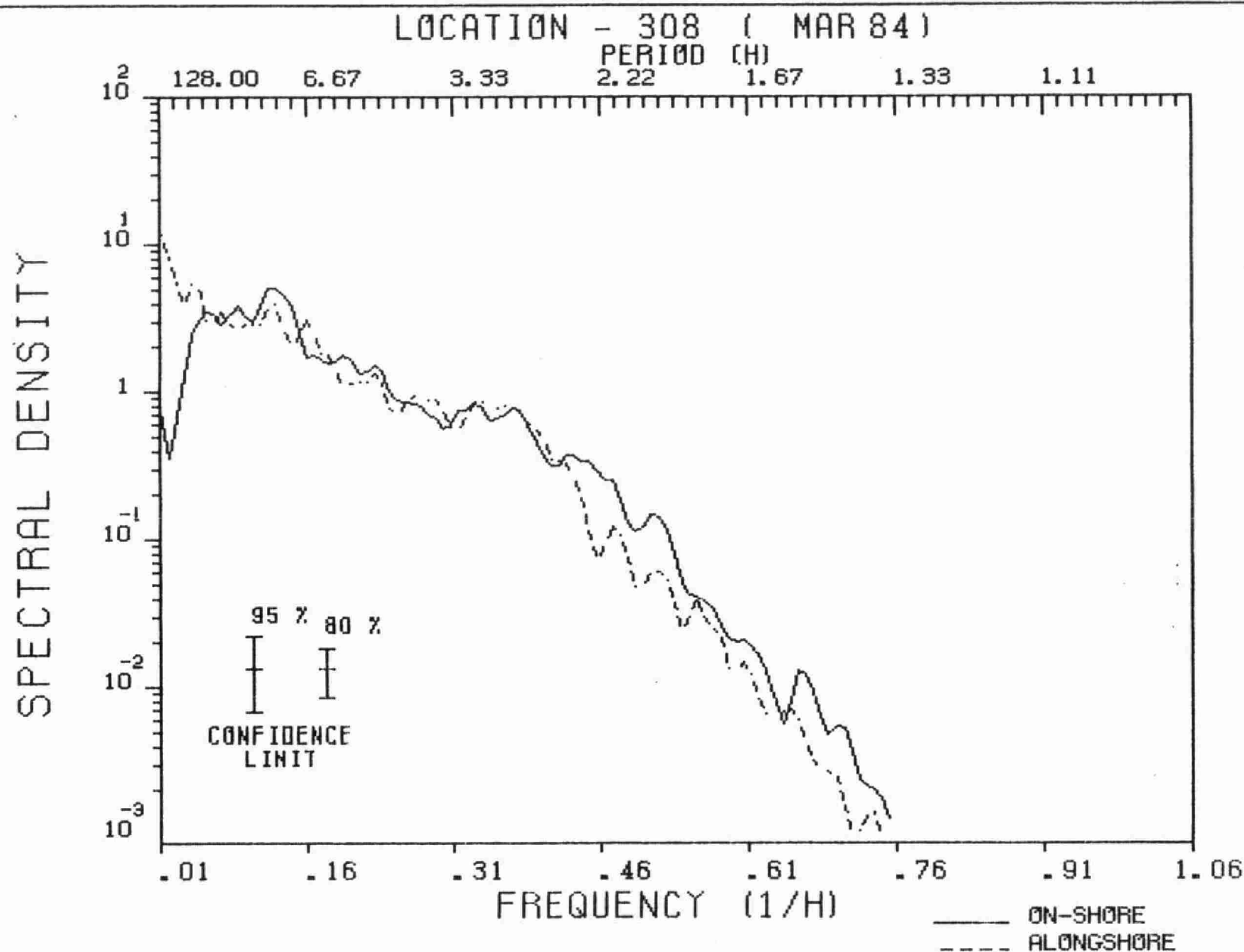


FIG. 4.28 : SPECTRA DENSITY : HUMBER BAY CENTER L. ONT.

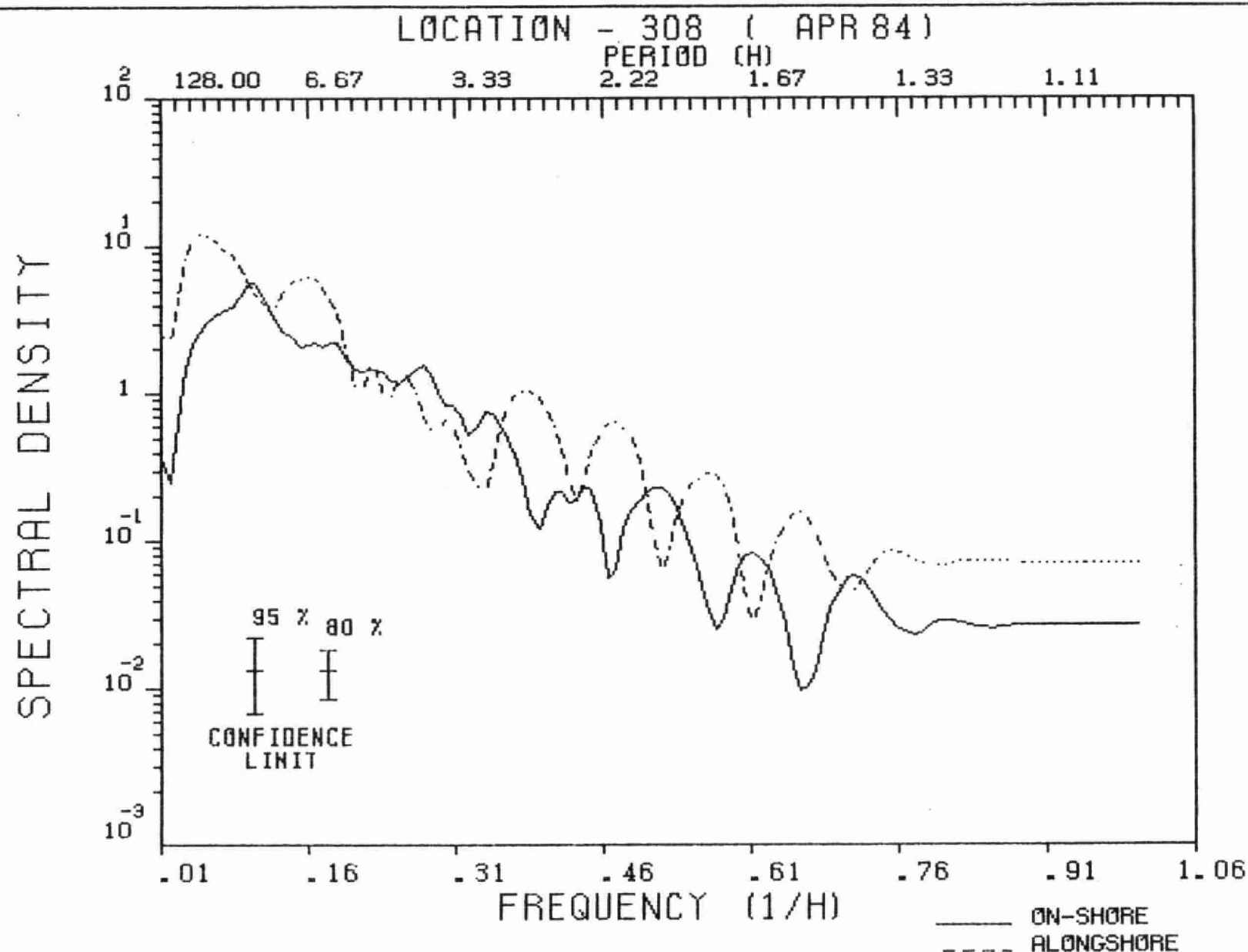


FIG. 4.29 : SPECTRA DENSITY : HUMBER BAY CENTER L. ONT.

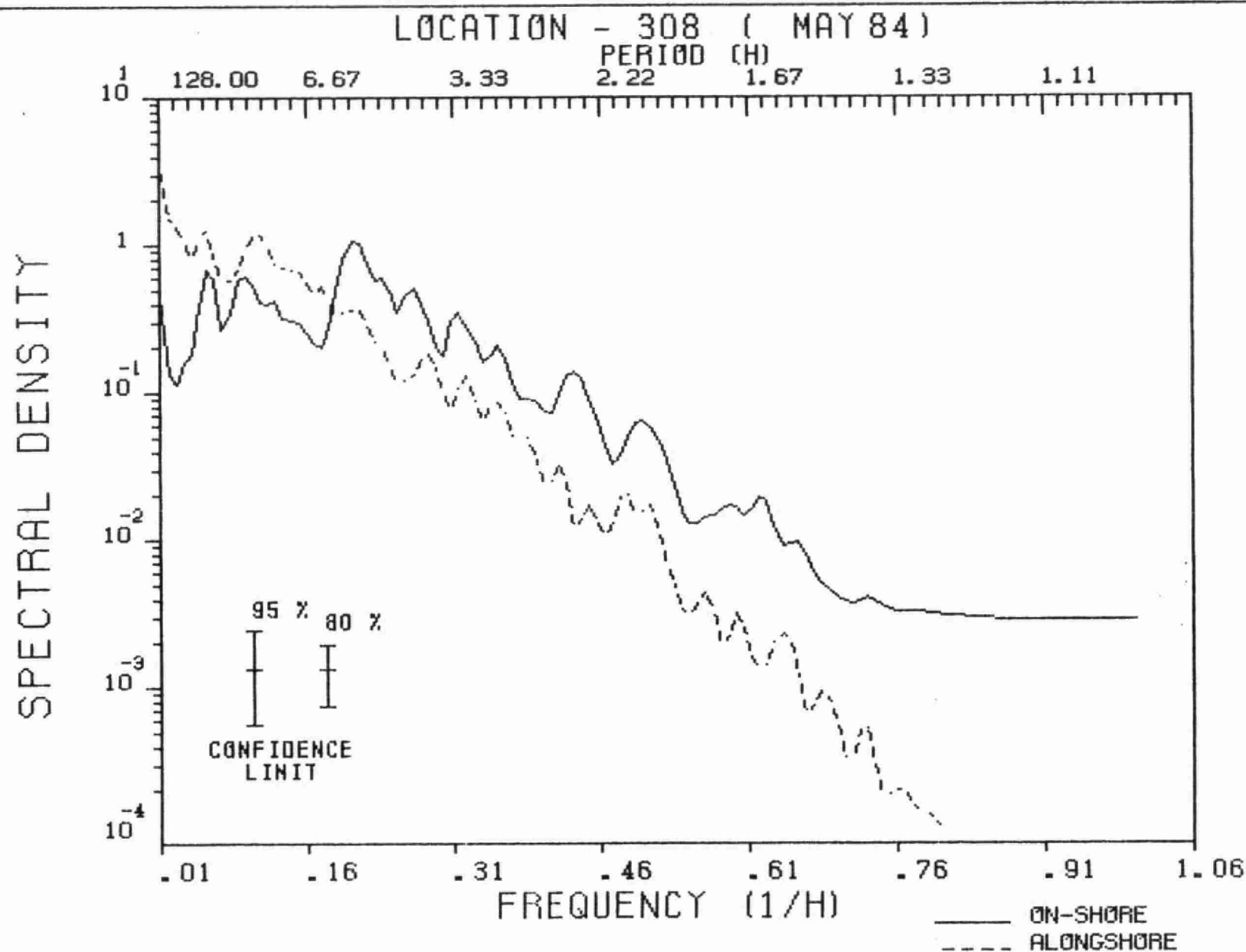


FIG. 4.30 : SPECTRA DENSITY : HUMBER BAY CENTER L. ONT.

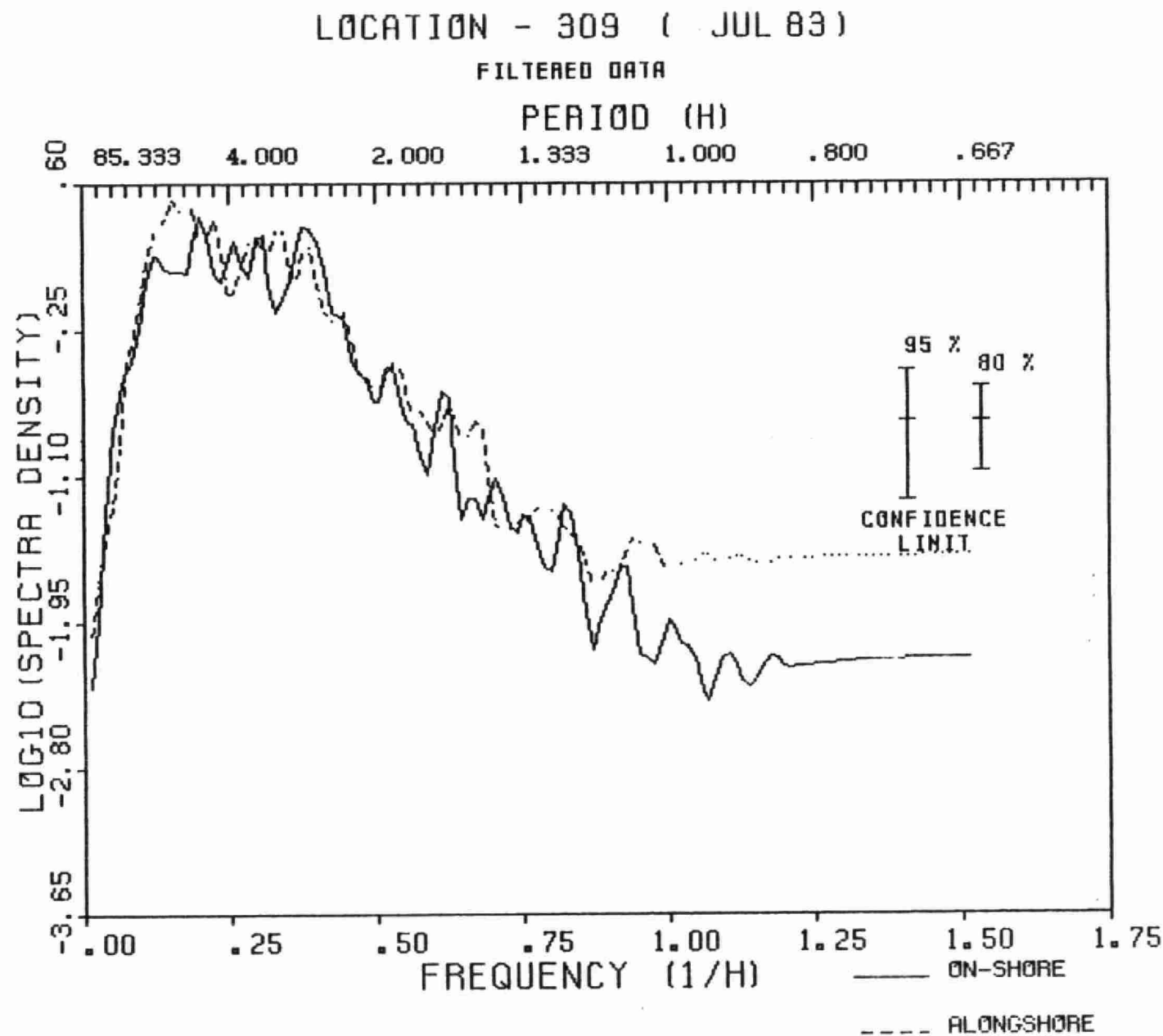


FIG. 4.31 : SPECTRA DENSITY : HUMBER BAY-OFFSHORE L.ONT

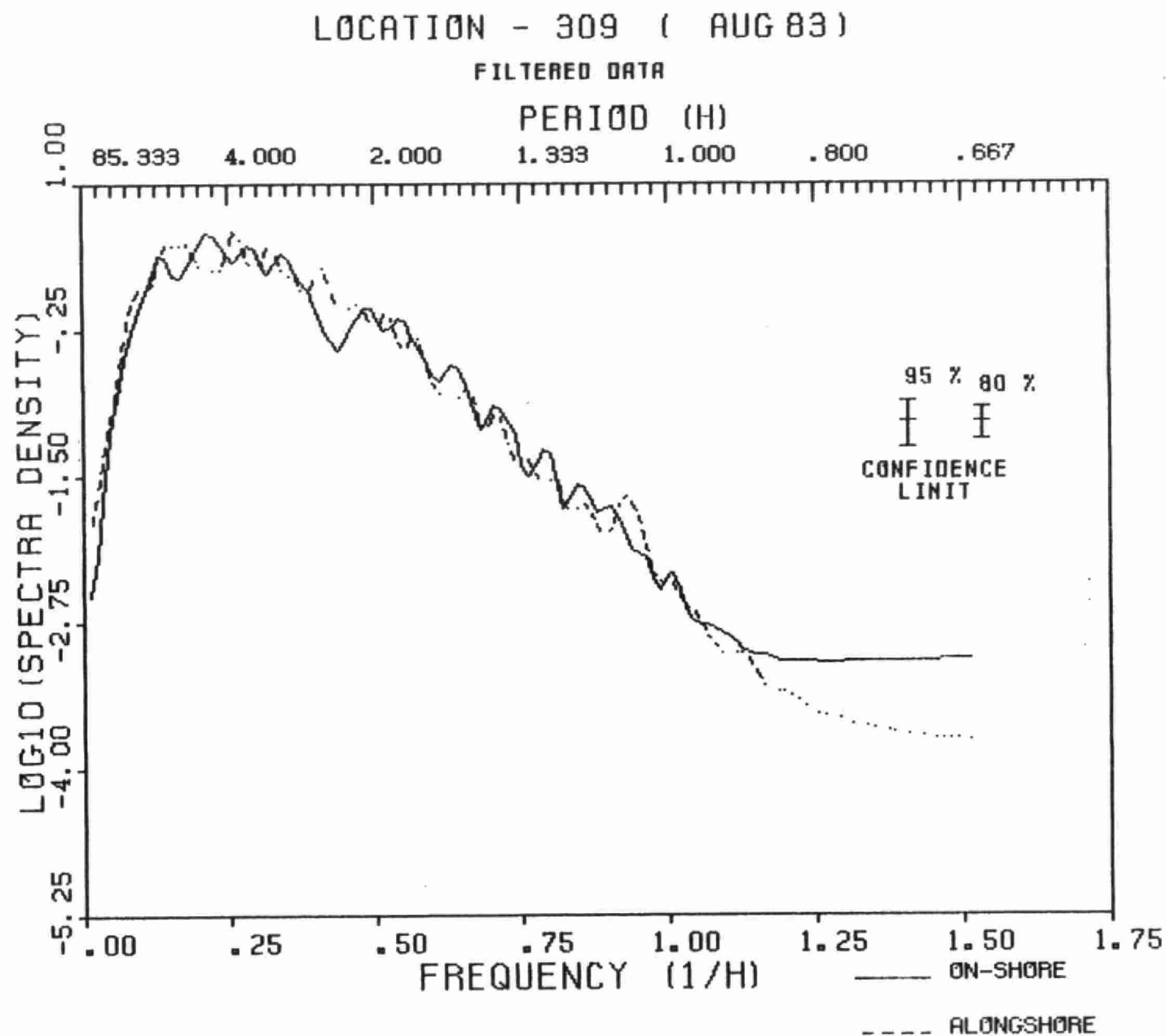


FIG. 4.32 : SPECTRA DENSITY : HUMBER BAY-OFFSHORE L.ONT



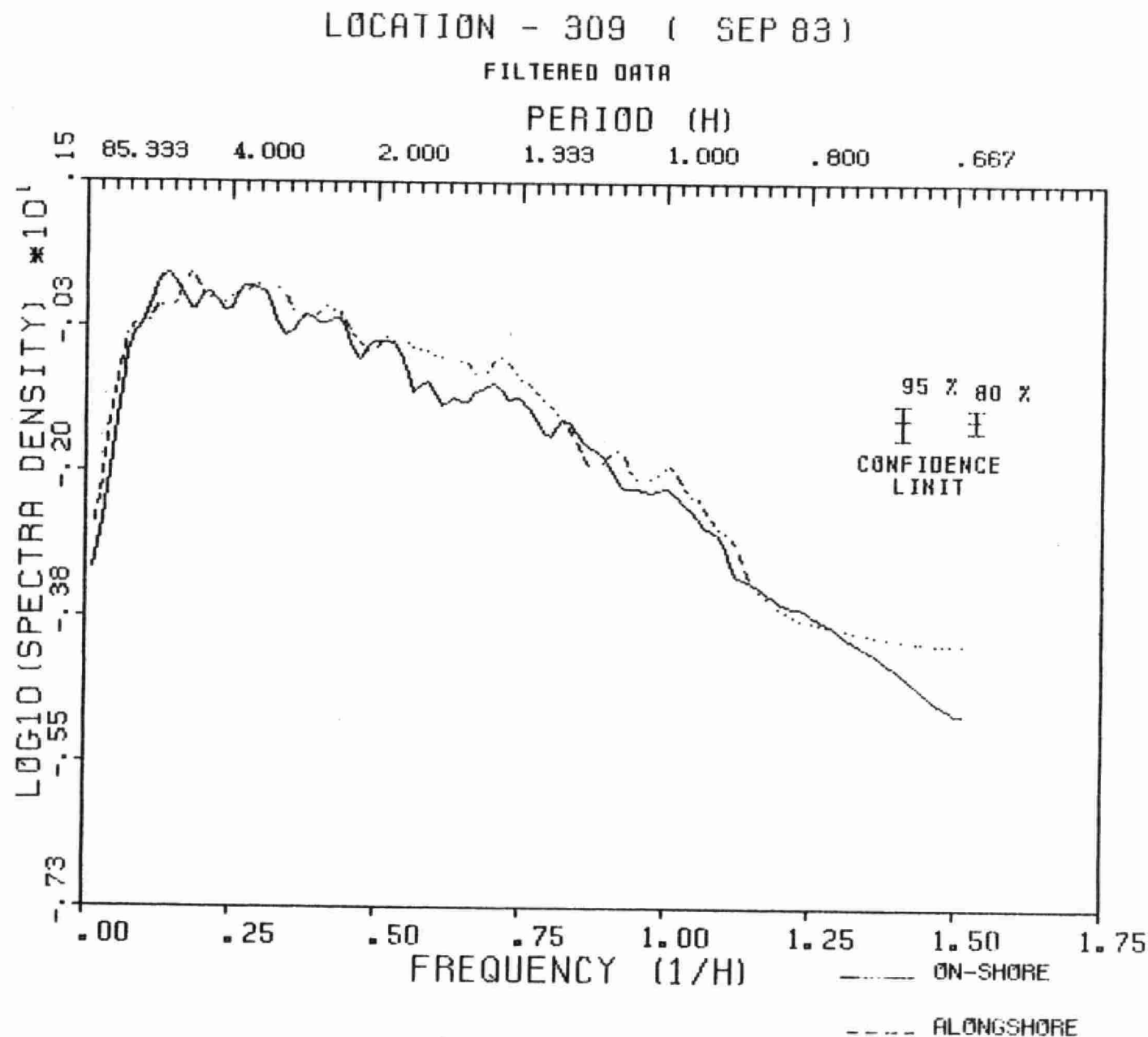


FIG. 4.33 : SPECTRA DENSITY : HUMBER BAY-OFFSHORE L.ONT

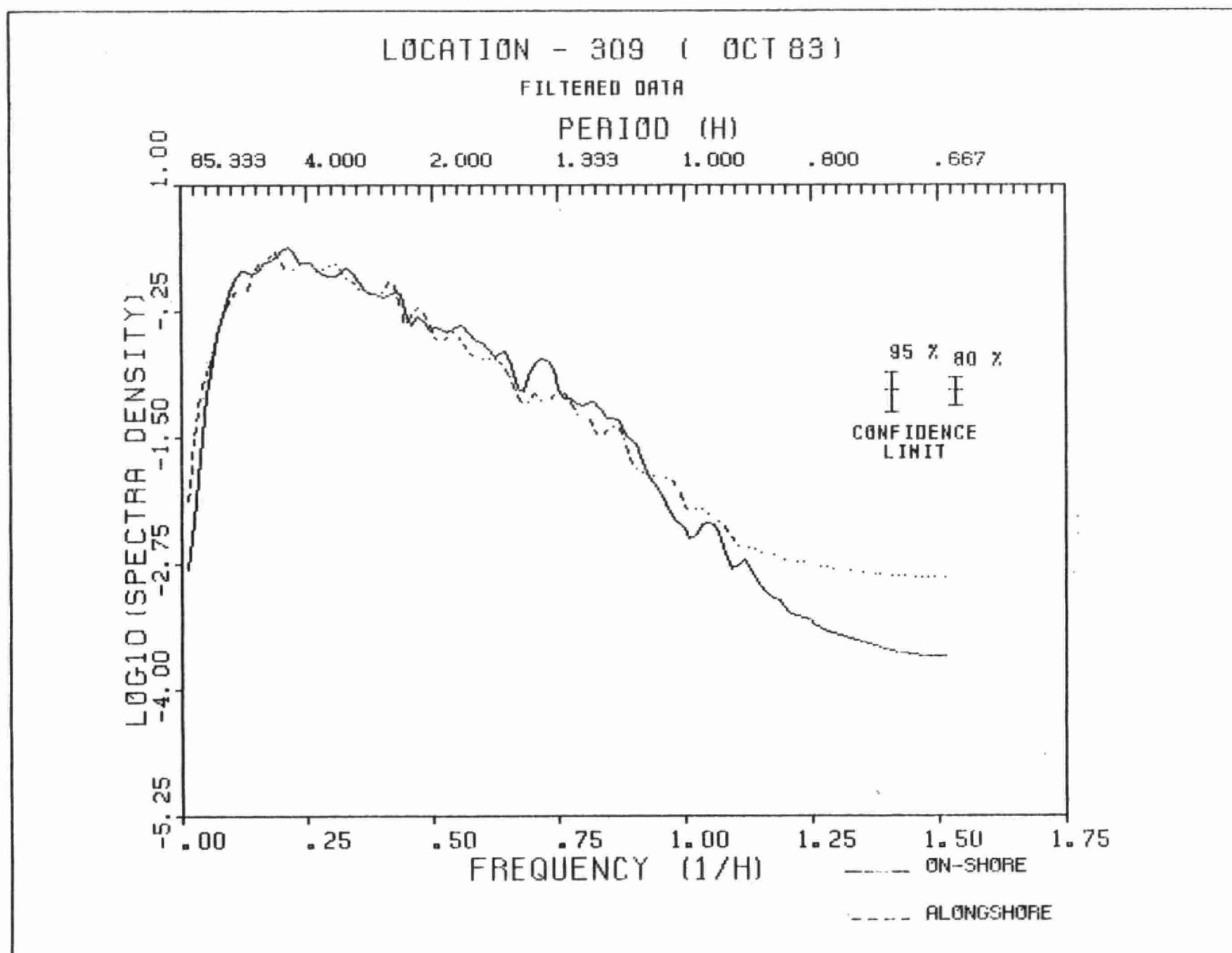


FIG. 4.34 : SPECTRA DENSITY : HUMBER BAY-OFFSHORE L. ONT

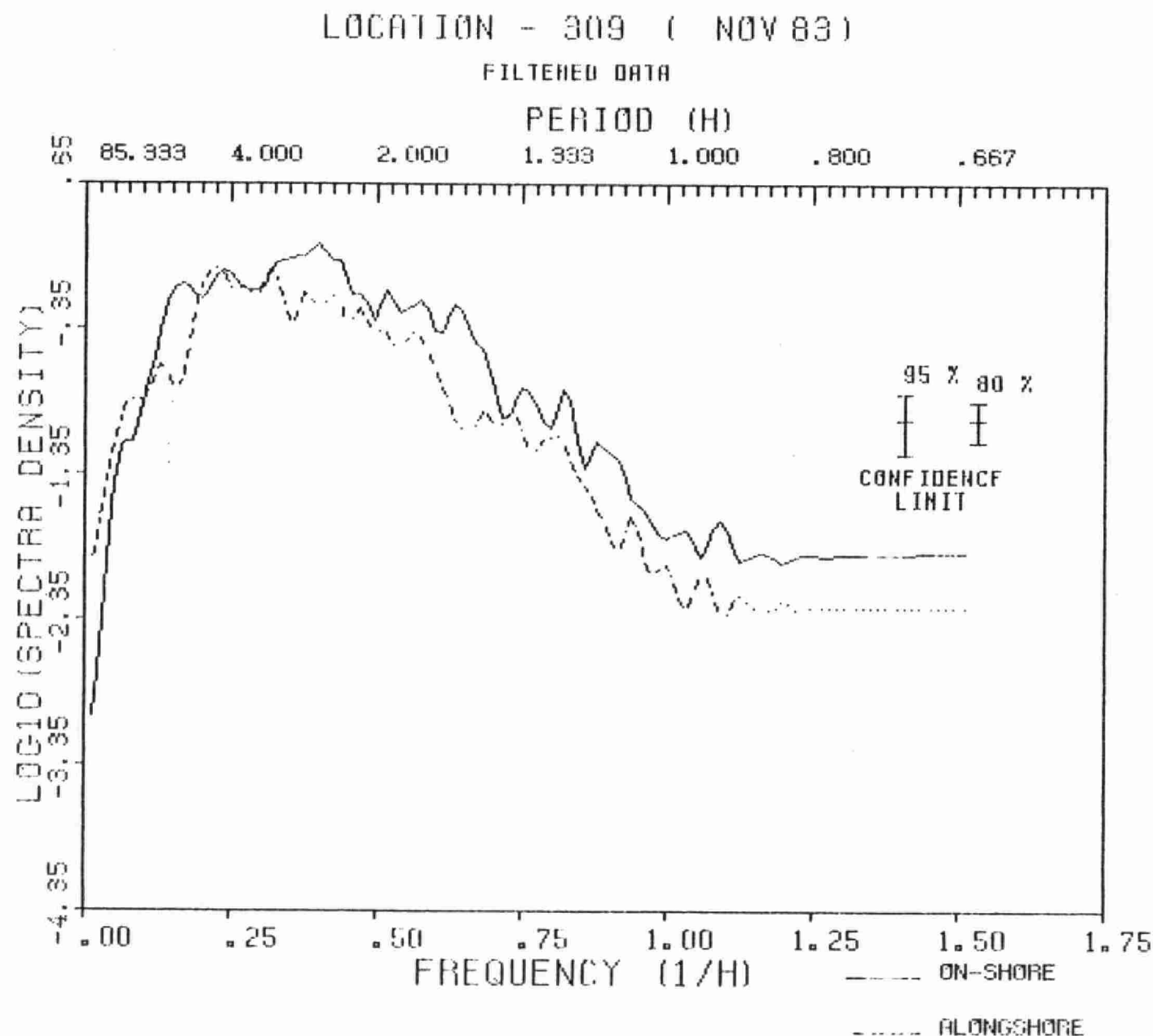


FIG. 4.35 : SPECTRA DENSITY : HUMBER BAY-OFFSHORE L. ONT

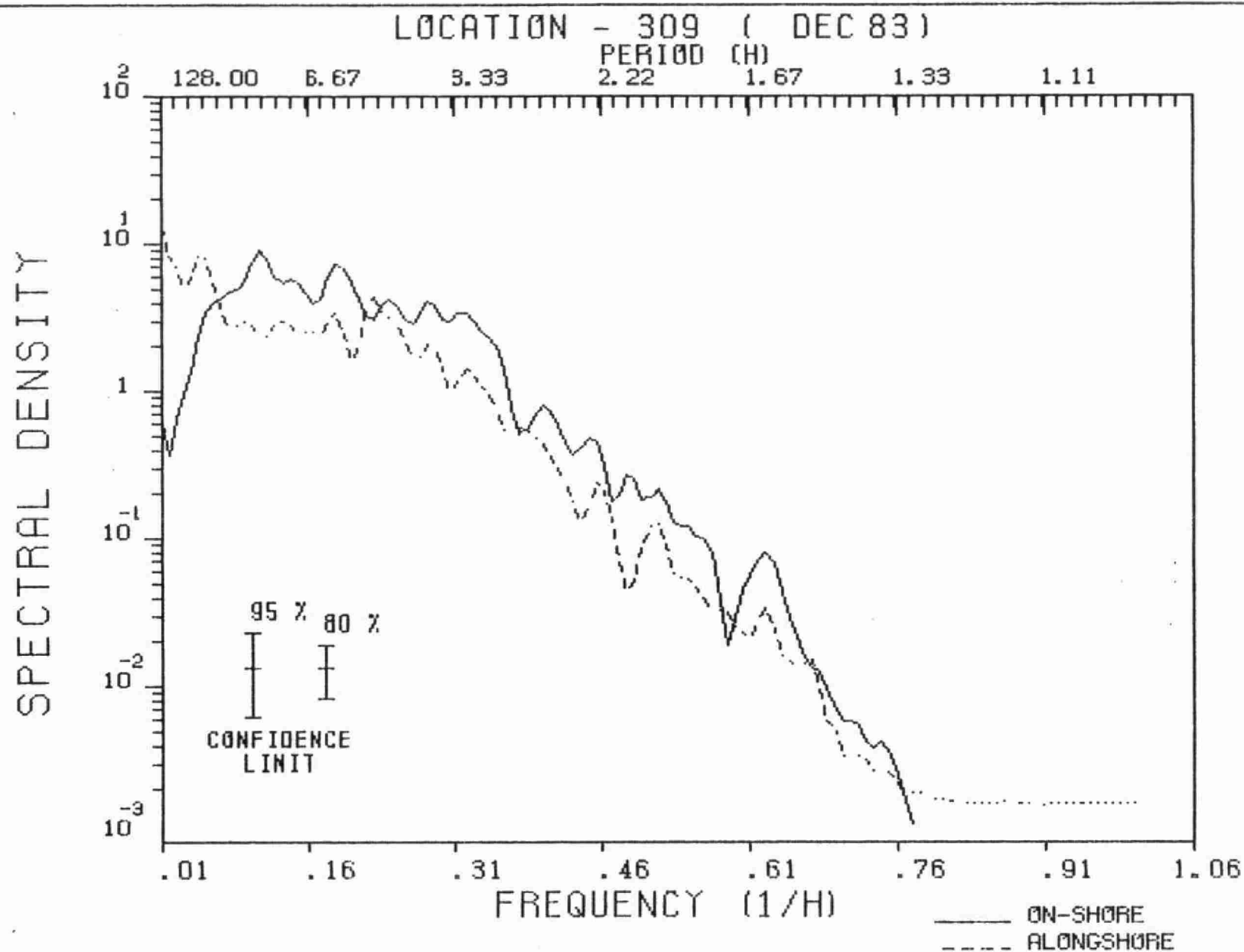


FIG. 4.36 : SPECTRA DENSITY : HUMBER BAY OFFSHORE L. ONT.

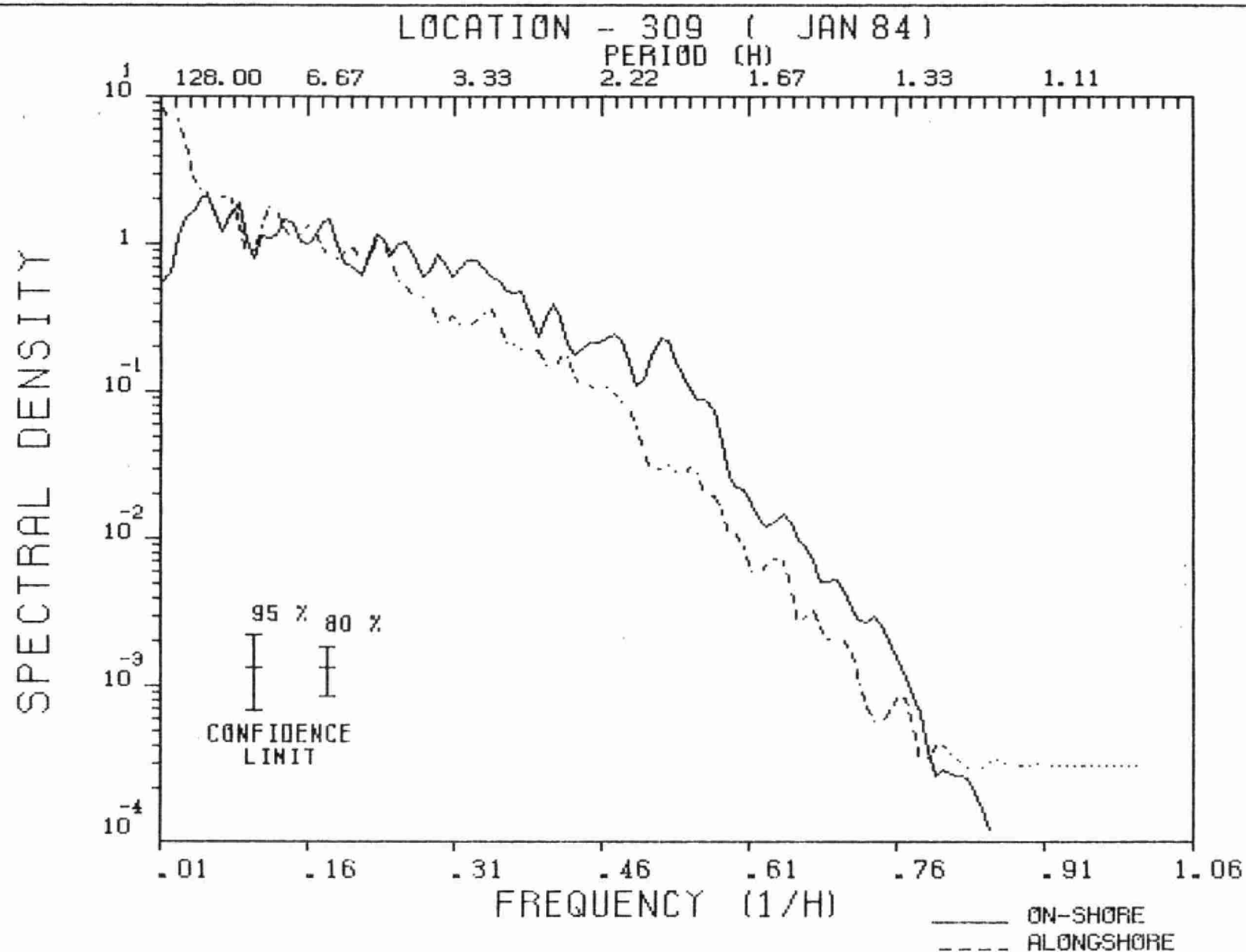


FIG. 4.37 : SPECTRA DENSITY : HUMBER BAY OFFSHORE L. ONT.

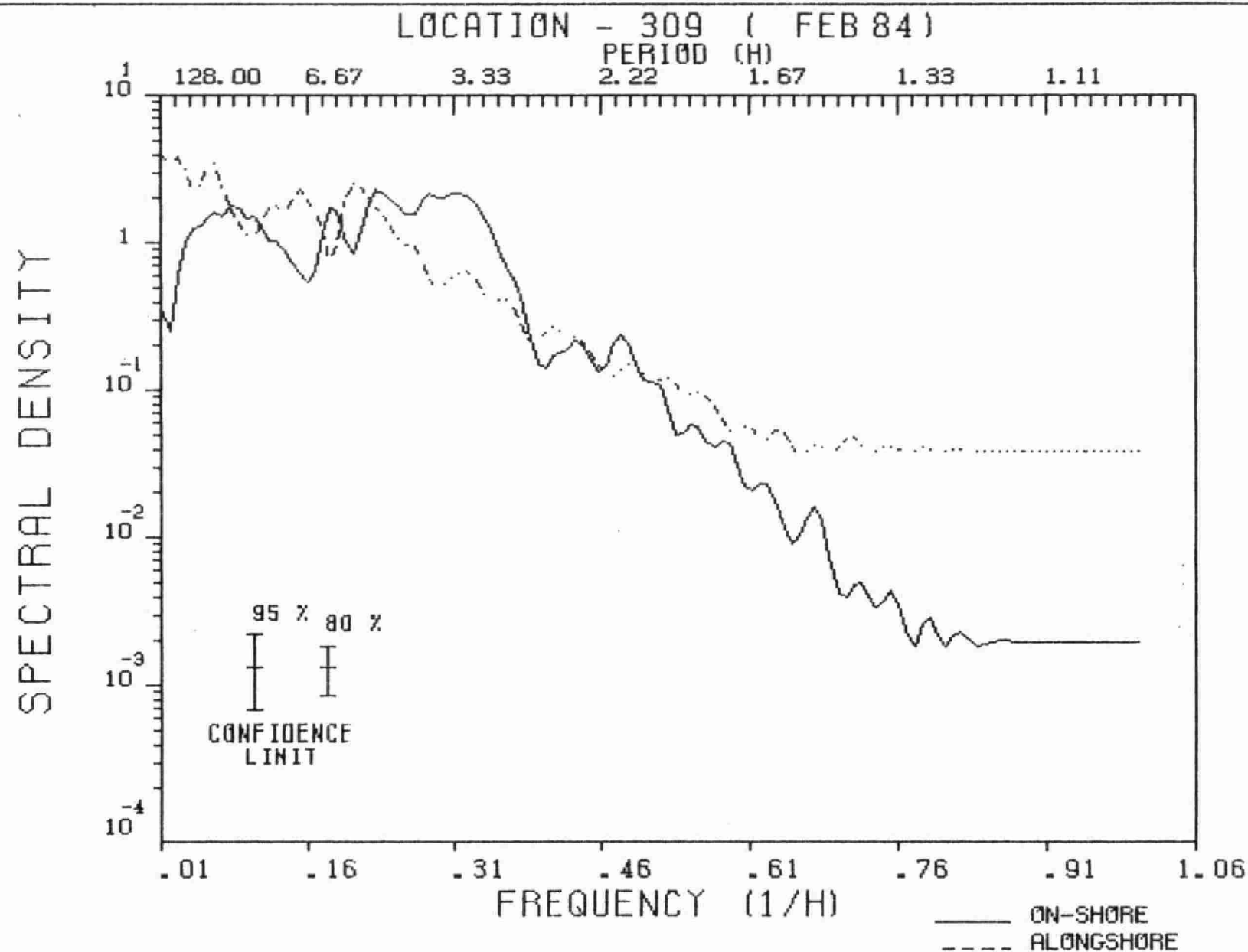


FIG. 4.38 : SPECTRA DENSITY : HUMBER BAY OFFSHORE L. ONT.

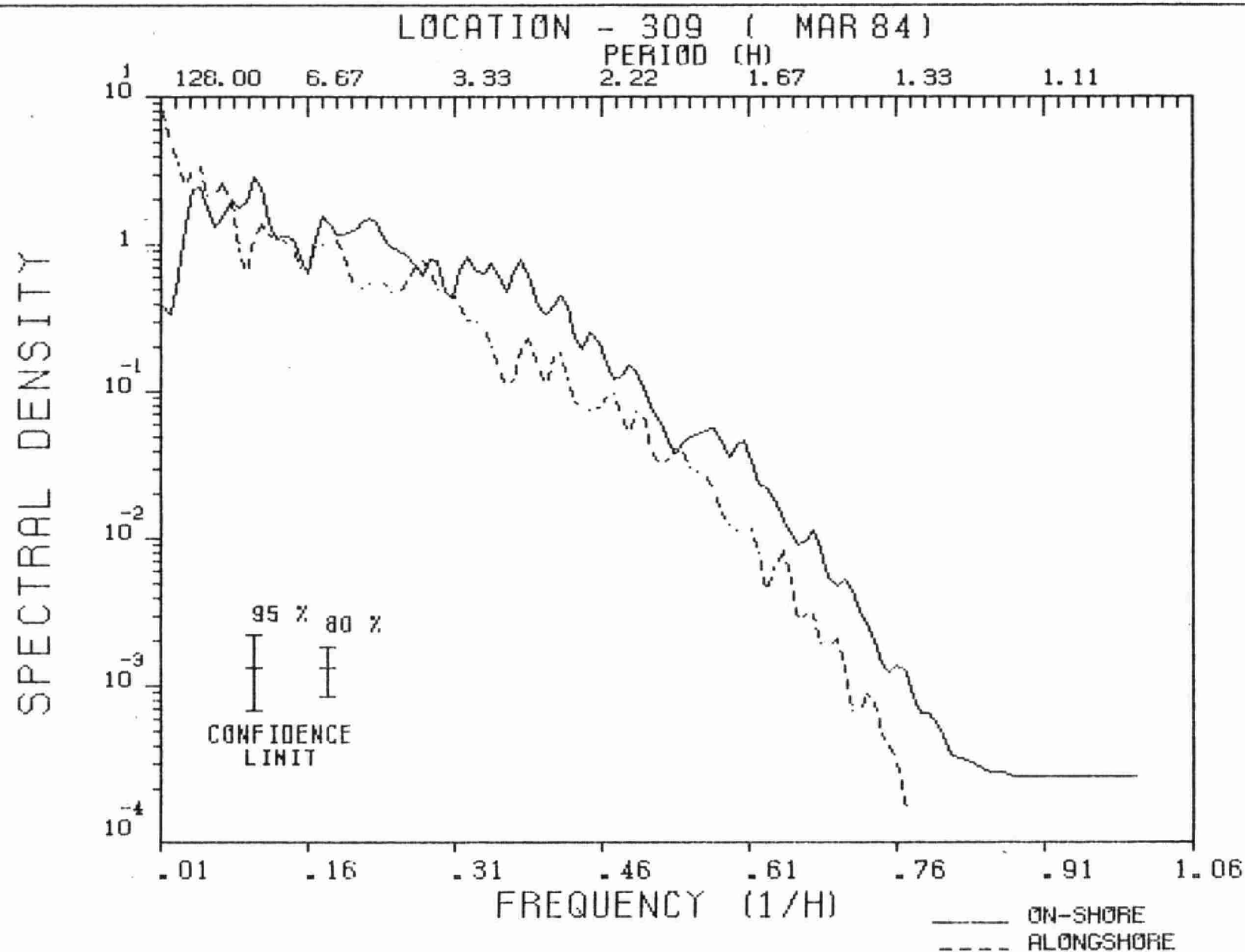


FIG. 4.39 : SPECTRA DENSITY : HUMBER BAY OFFSHORE L. ONT.

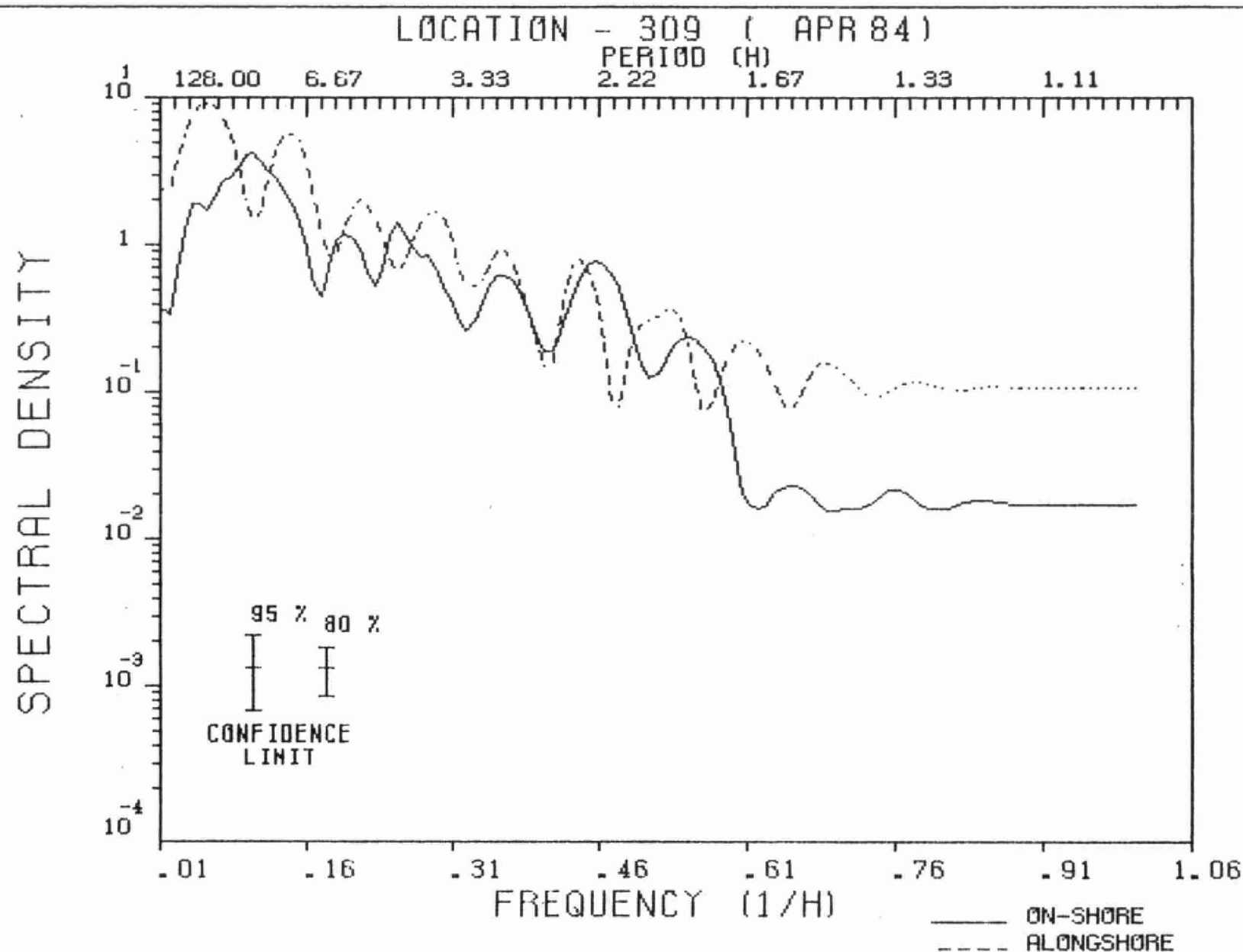


FIG. 4.40 : SPECTRA DENSITY : HUMBER BAY OFFSHORE L. ONT.



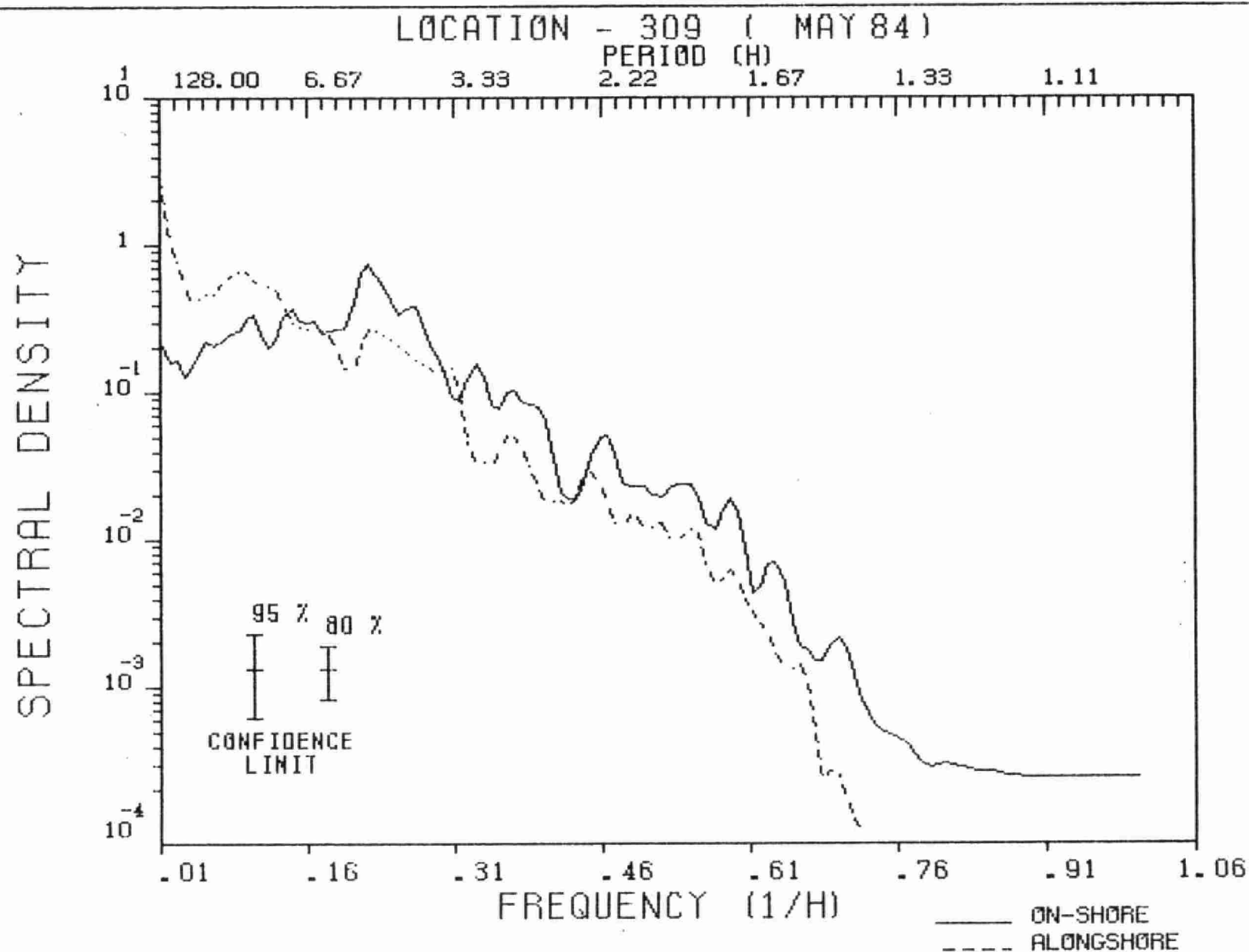


FIG. 4.41 : SPECTRA DENSITY : HUMBER BAY OFFSHORE L. ONT.

LOCATION - 310 ( AUG 83)

FILTERED DATA

PERIOD (H)

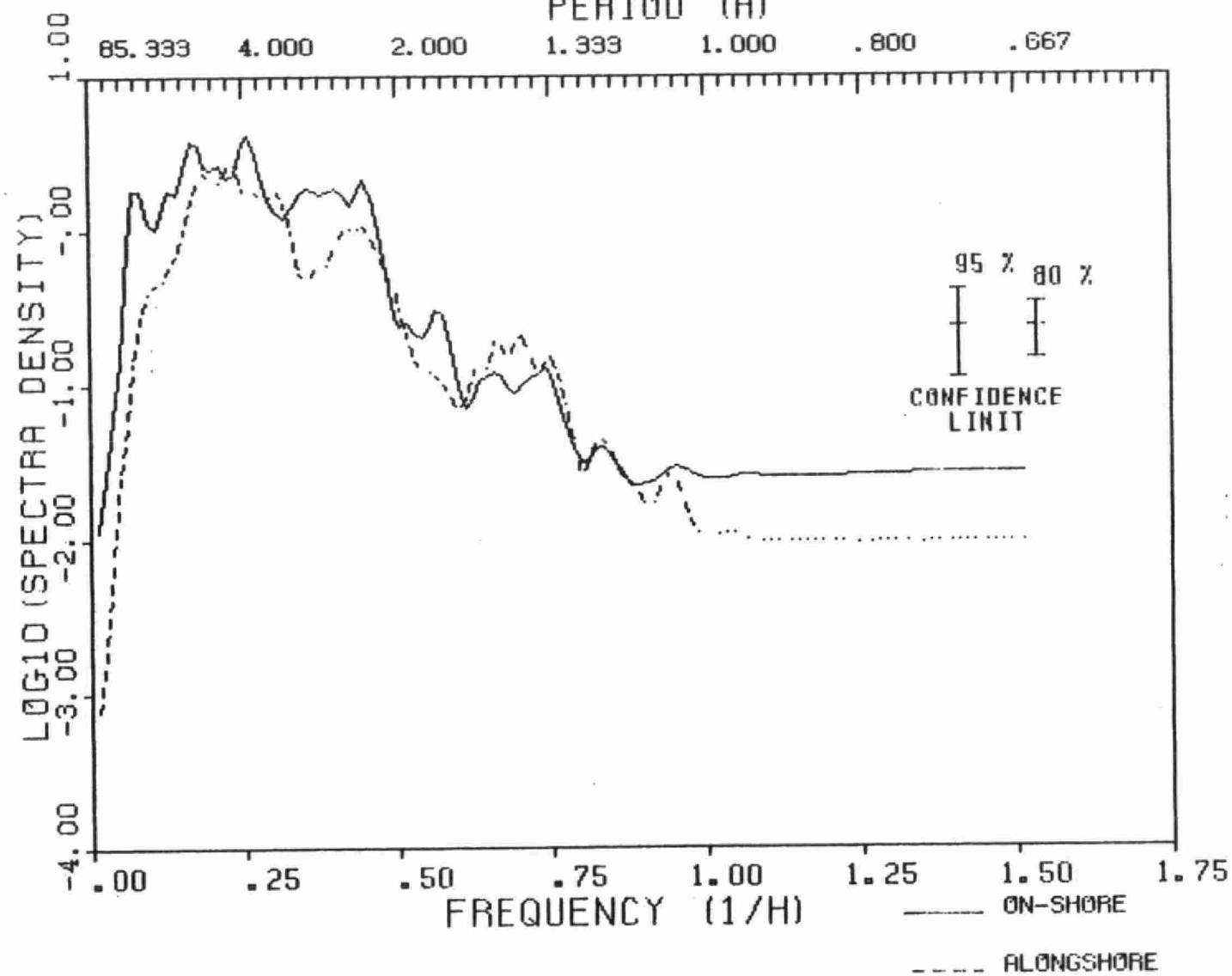


FIG. 4.42 : SPECTRA DENSITY : HUMBER BAY

L. ONT

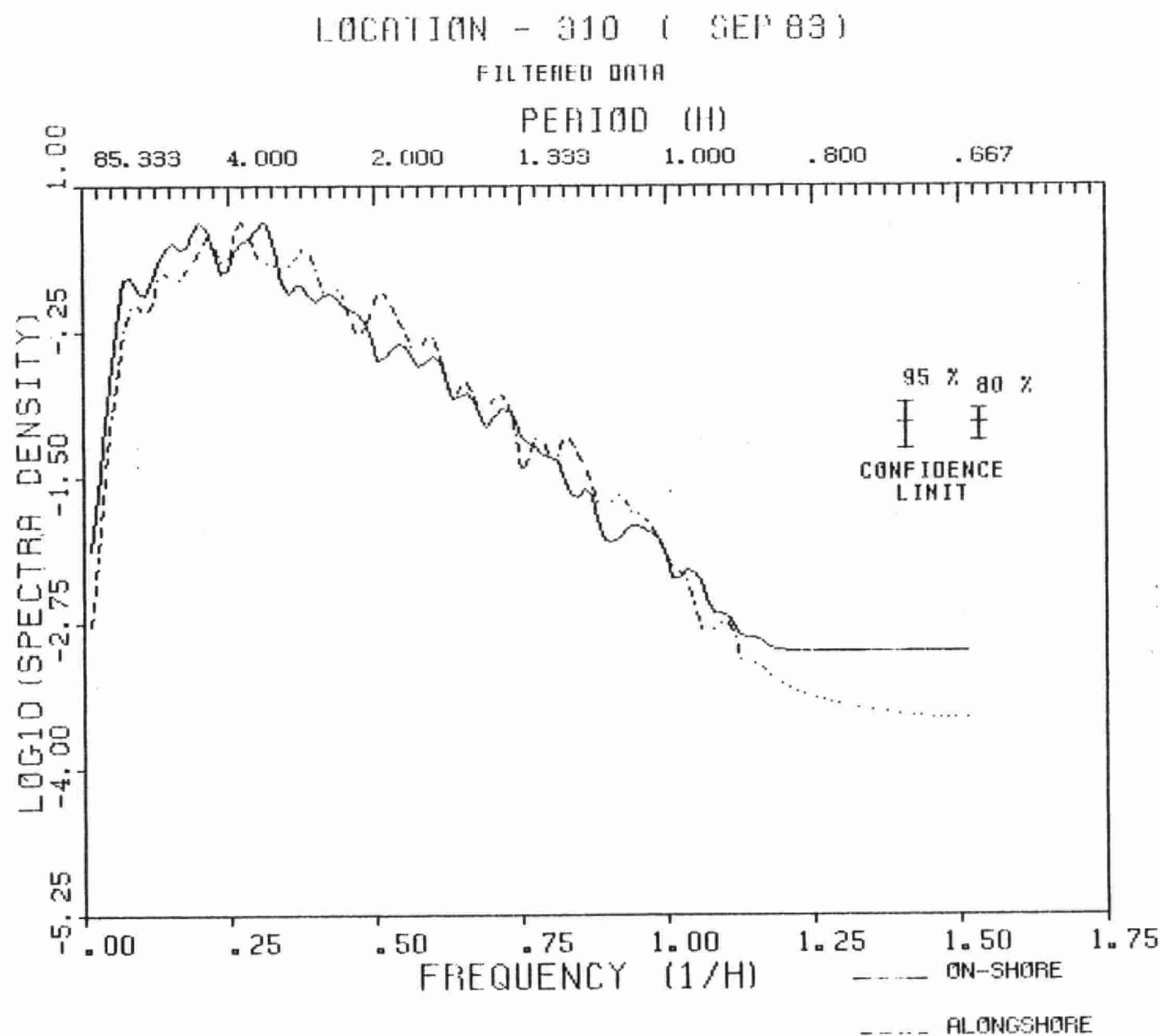


FIG. 4.43 : SPECTRA DENSITY : HUMBER BAY

L. ONT

LOCATION - 310 ( OCT 83)

FILTERED DATA

PERIOD (H)

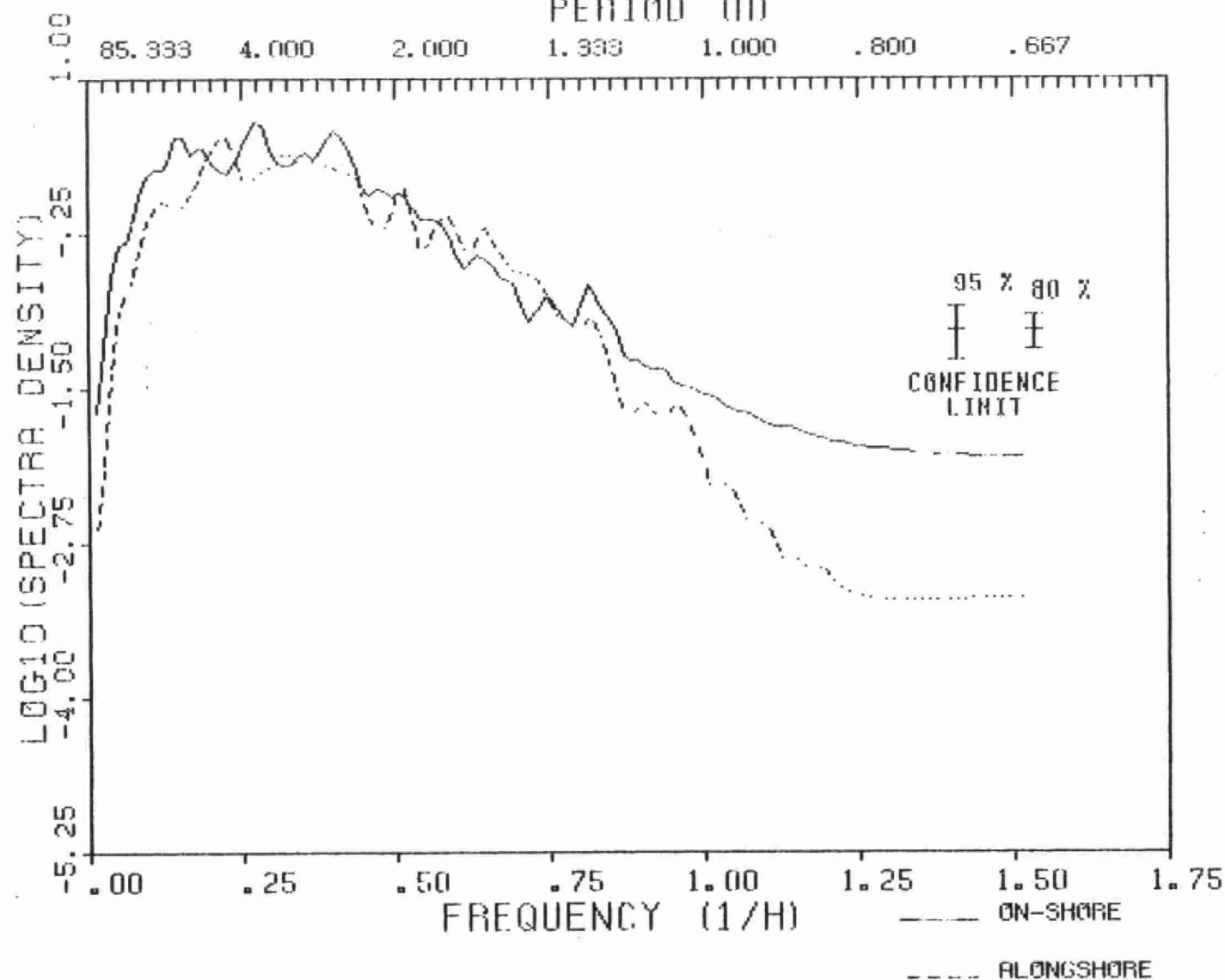


FIG. 4.44 : SPECTRA DENSITY : HUMBER BAY L. ONT

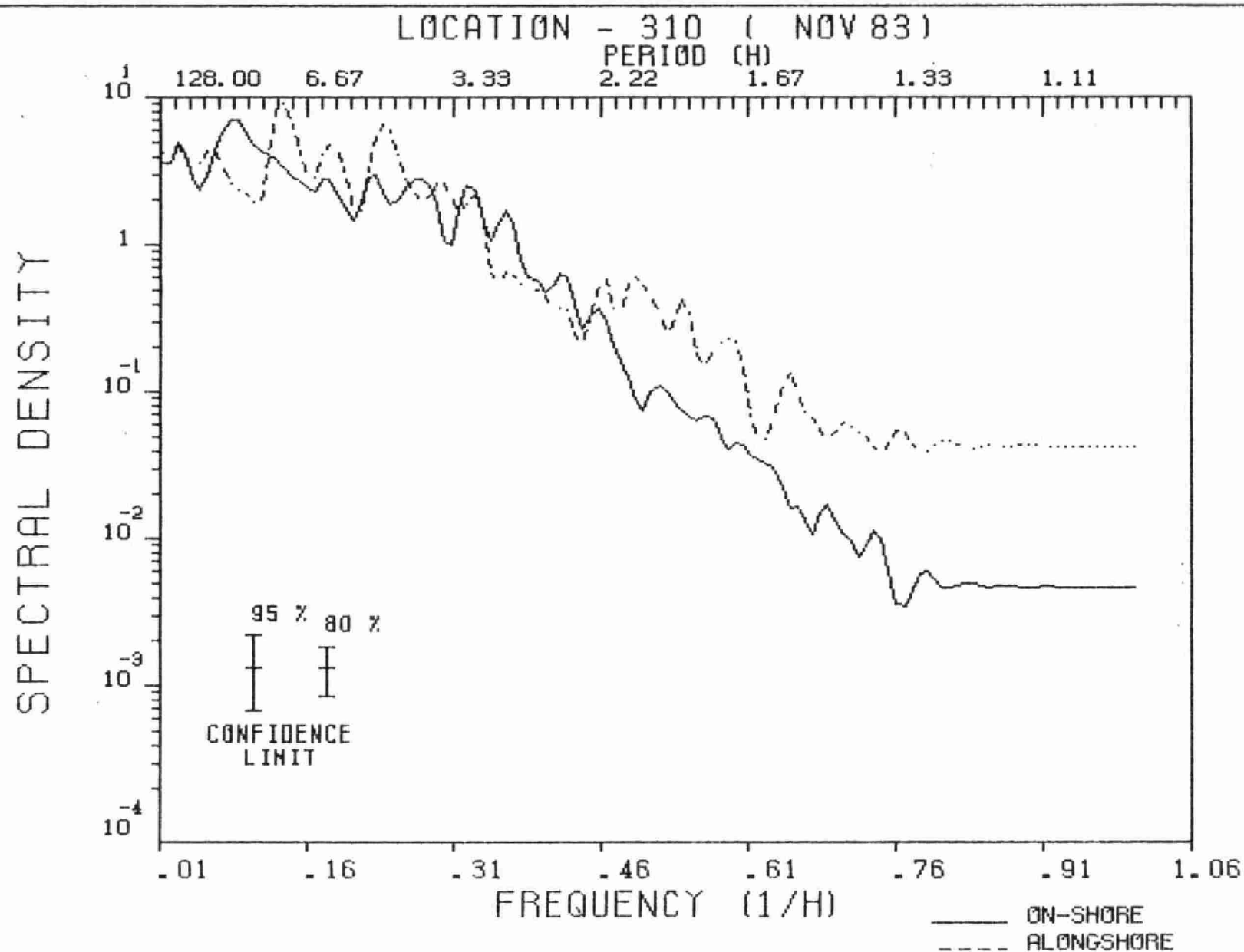


FIG. 4.45 : SPECTRA DENSITY : HUMBER BAY MIMICO L. ONT.

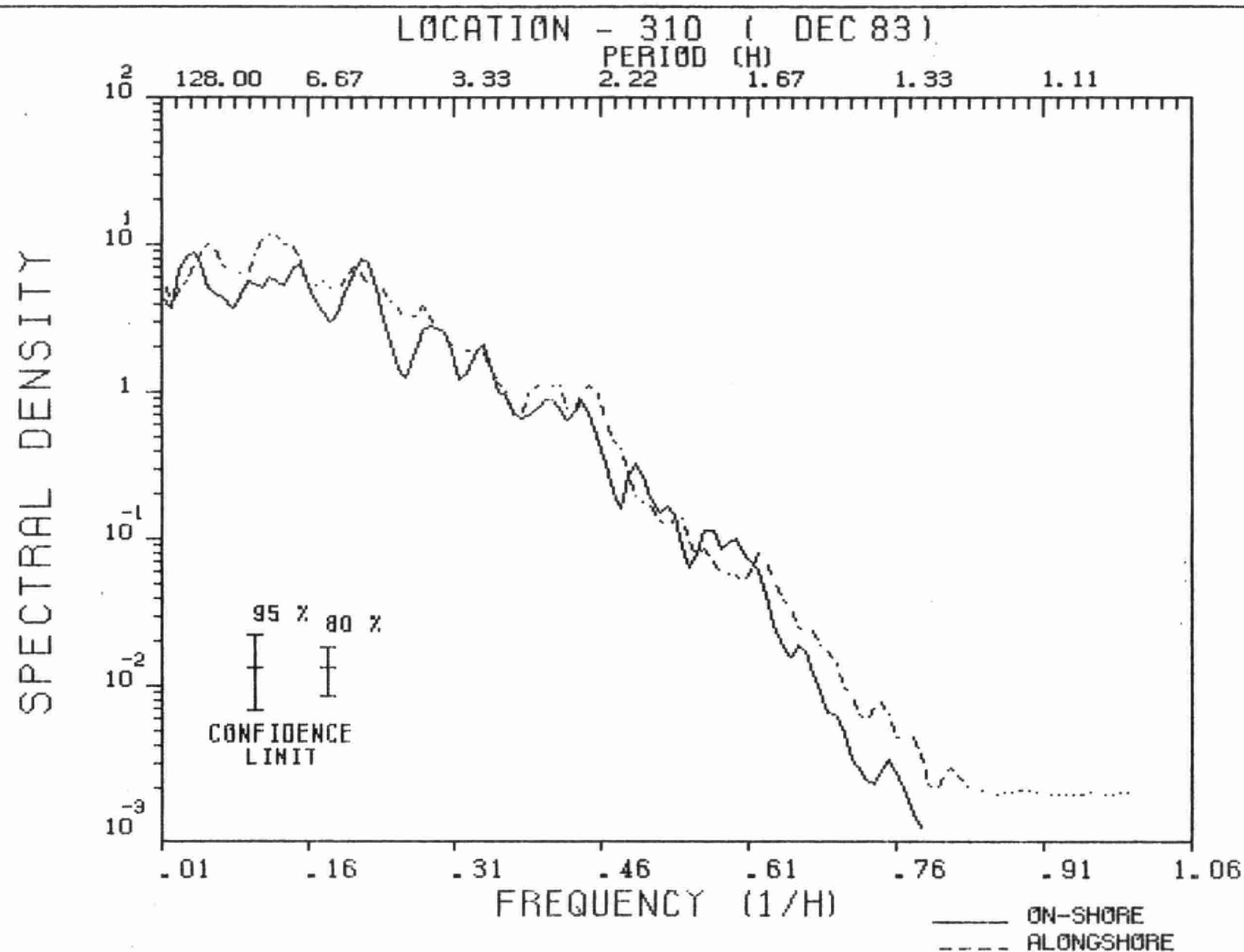


FIG. 4.46 : SPECTRA DENSITY : HUMBER BAY MIMICO L. ONT.

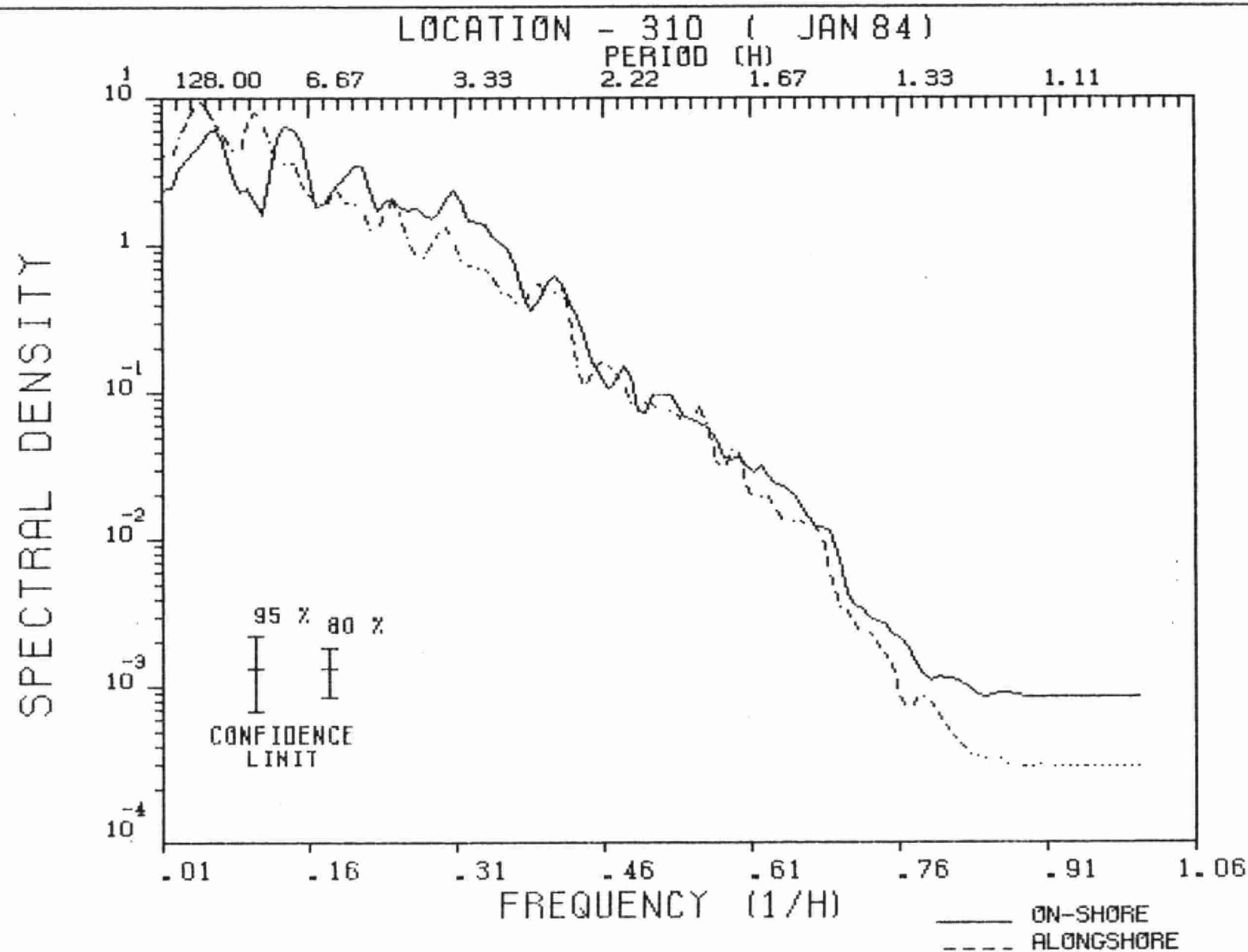


FIG. 4.47 : SPECTRA DENSITY : HUMBER BAY MIMICO L. ONT.

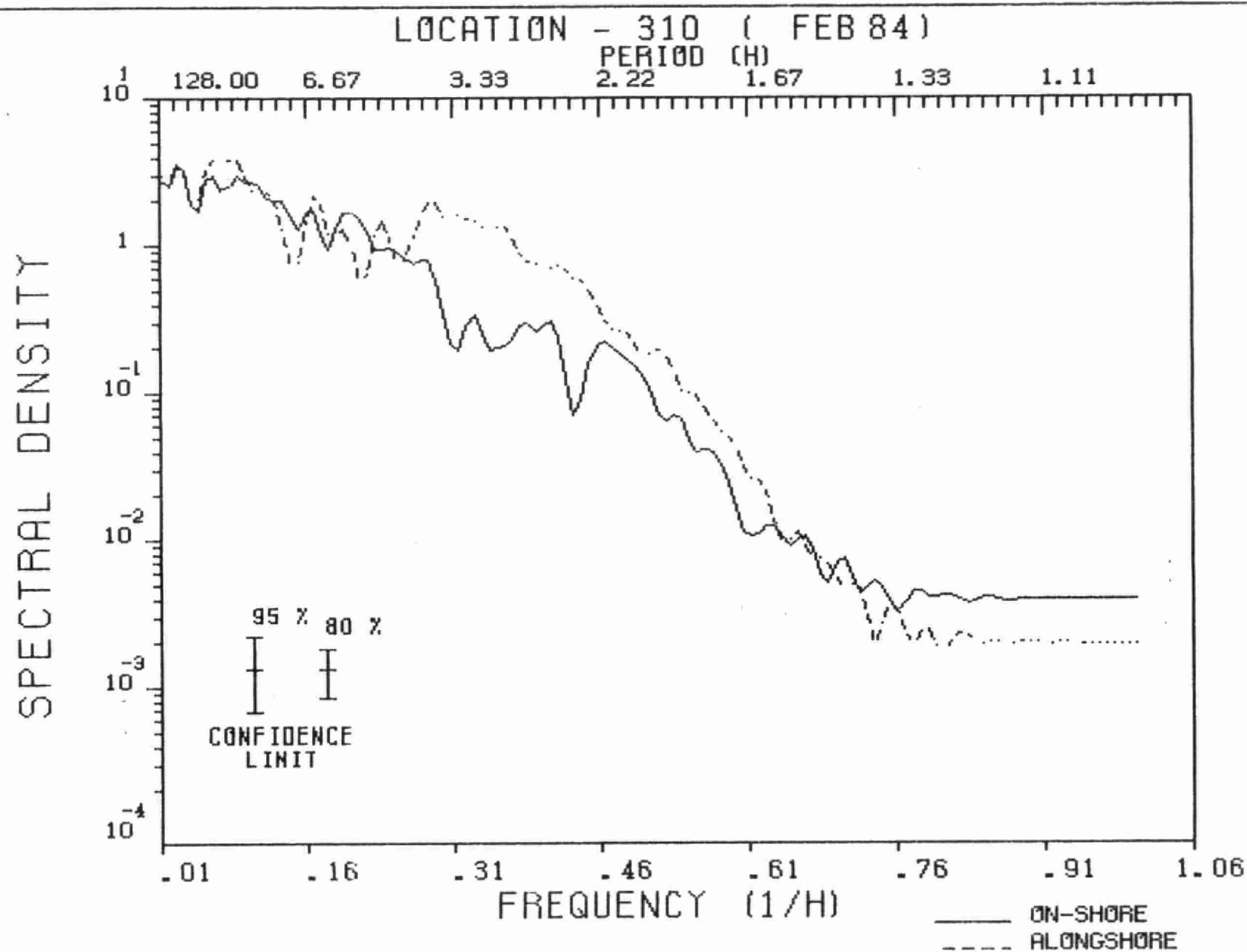


FIG. 4.48 : SPECTRA DENSITY : HUMBER BAY MIMICO L. ONT.



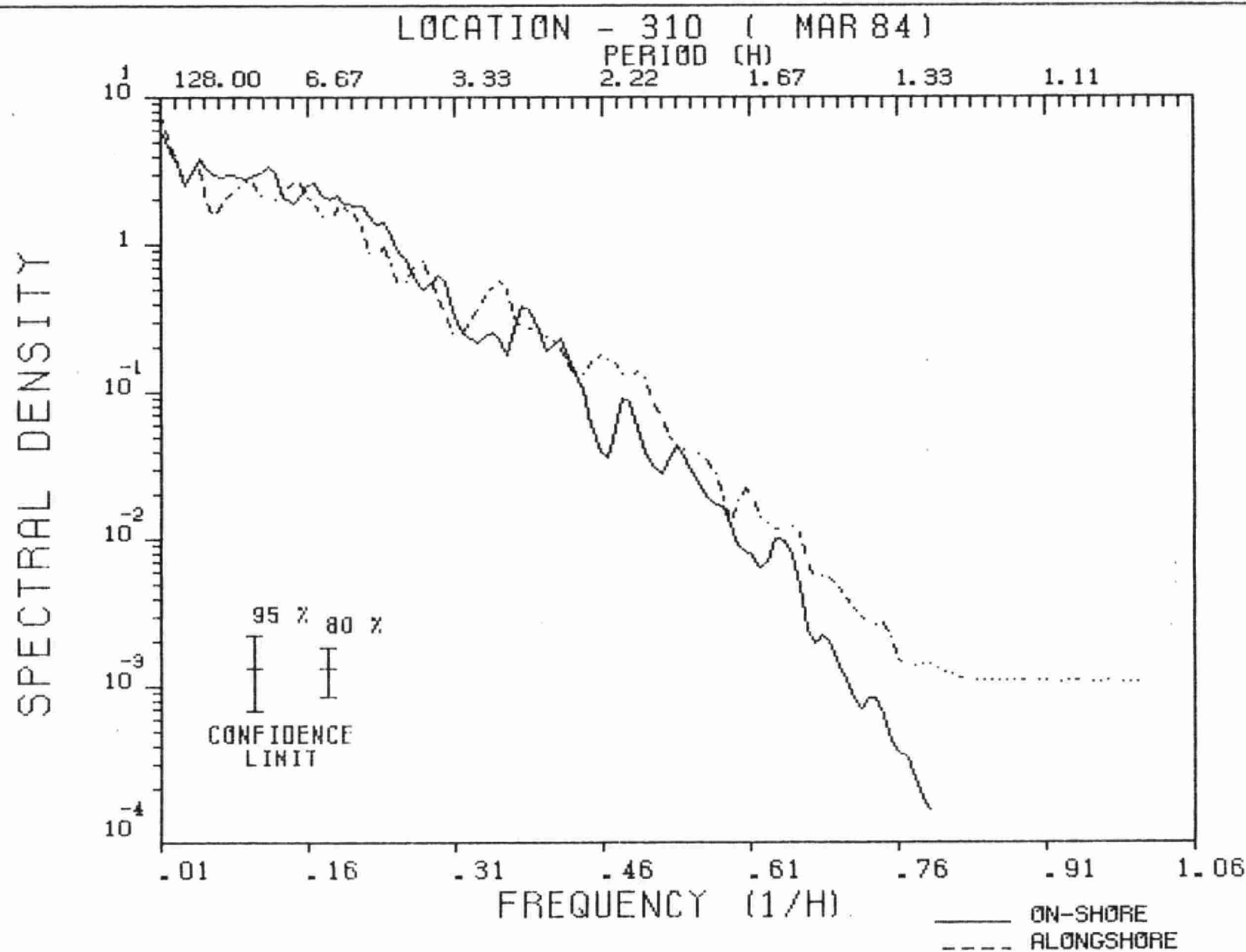


FIG. 4.49 : SPECTRA DENSITY : HUMBER BAY MIMICO L. ONT.

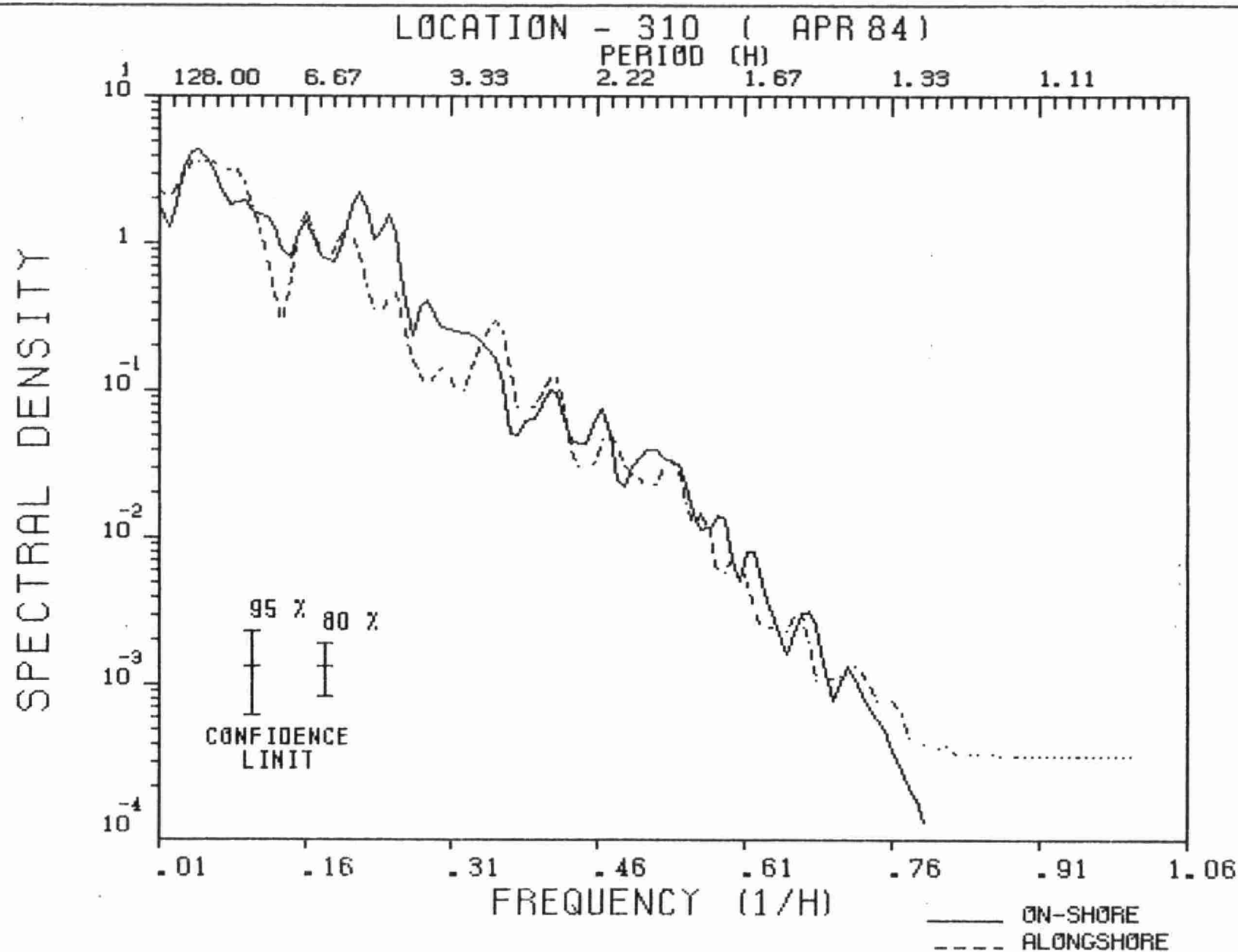


FIG. 4.50 : SPECTRA DENSITY : HUMBER BAY MIMICO L. ONT.

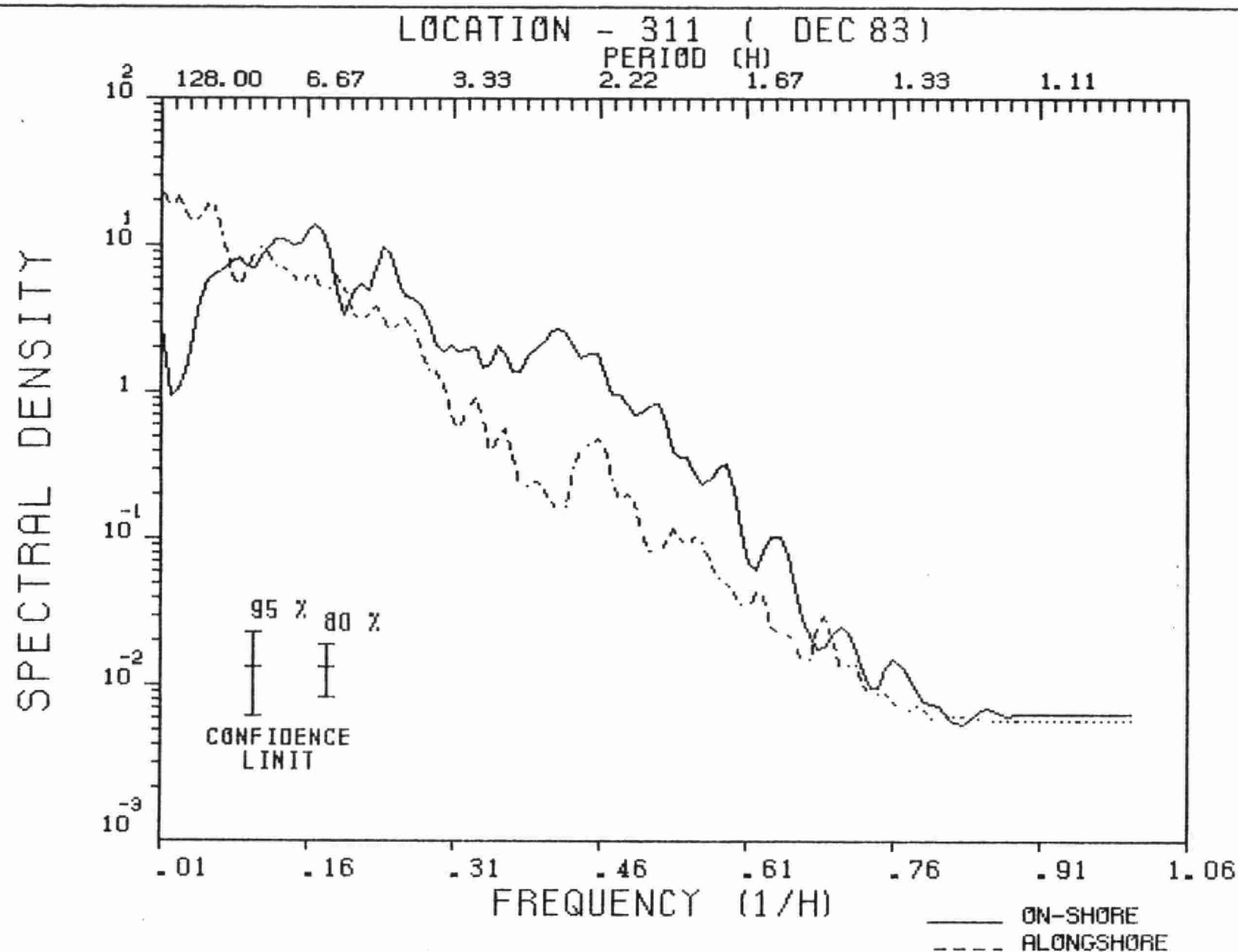


FIG. 4.51 : SPECTRA DENSITY : HUMBER ONTARIO PLACE L. ONT.

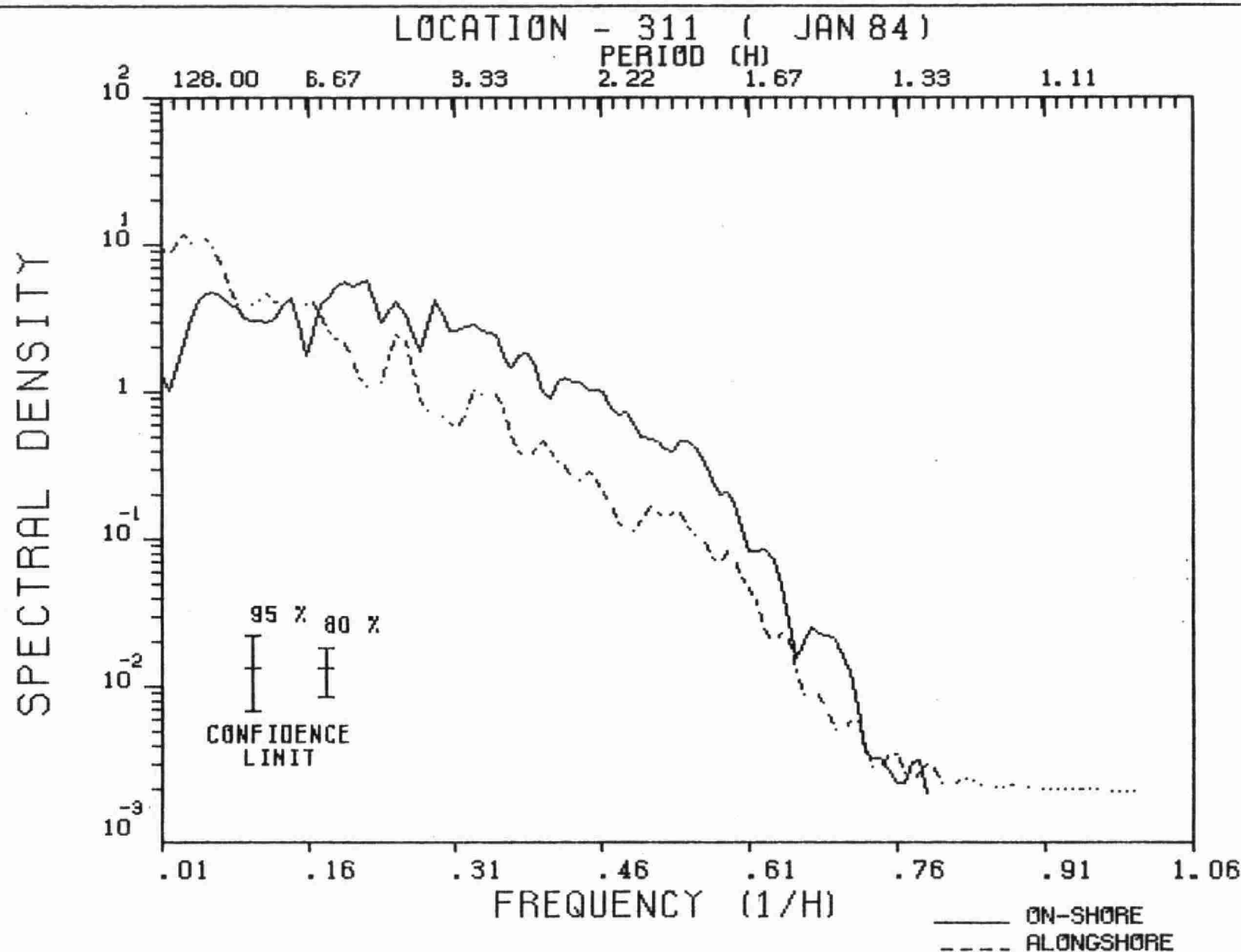


FIG. 4.52 : SPECTRA DENSITY : HUMBER ONTARIO PLACE L. ONT.

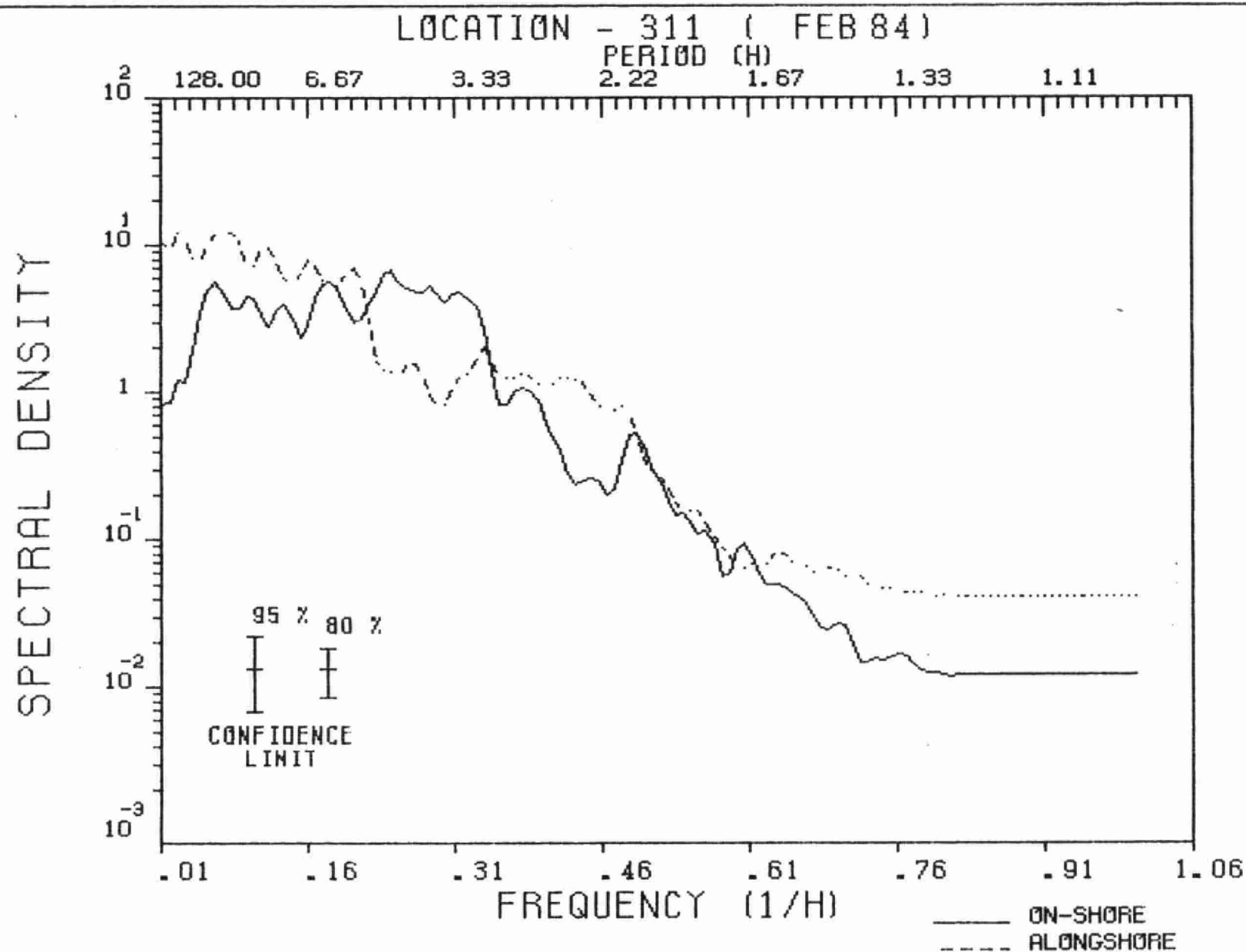


FIG. 4.53 : SPECTRA DENSITY : HUMBER ONTARIO PLACE L. ONT.

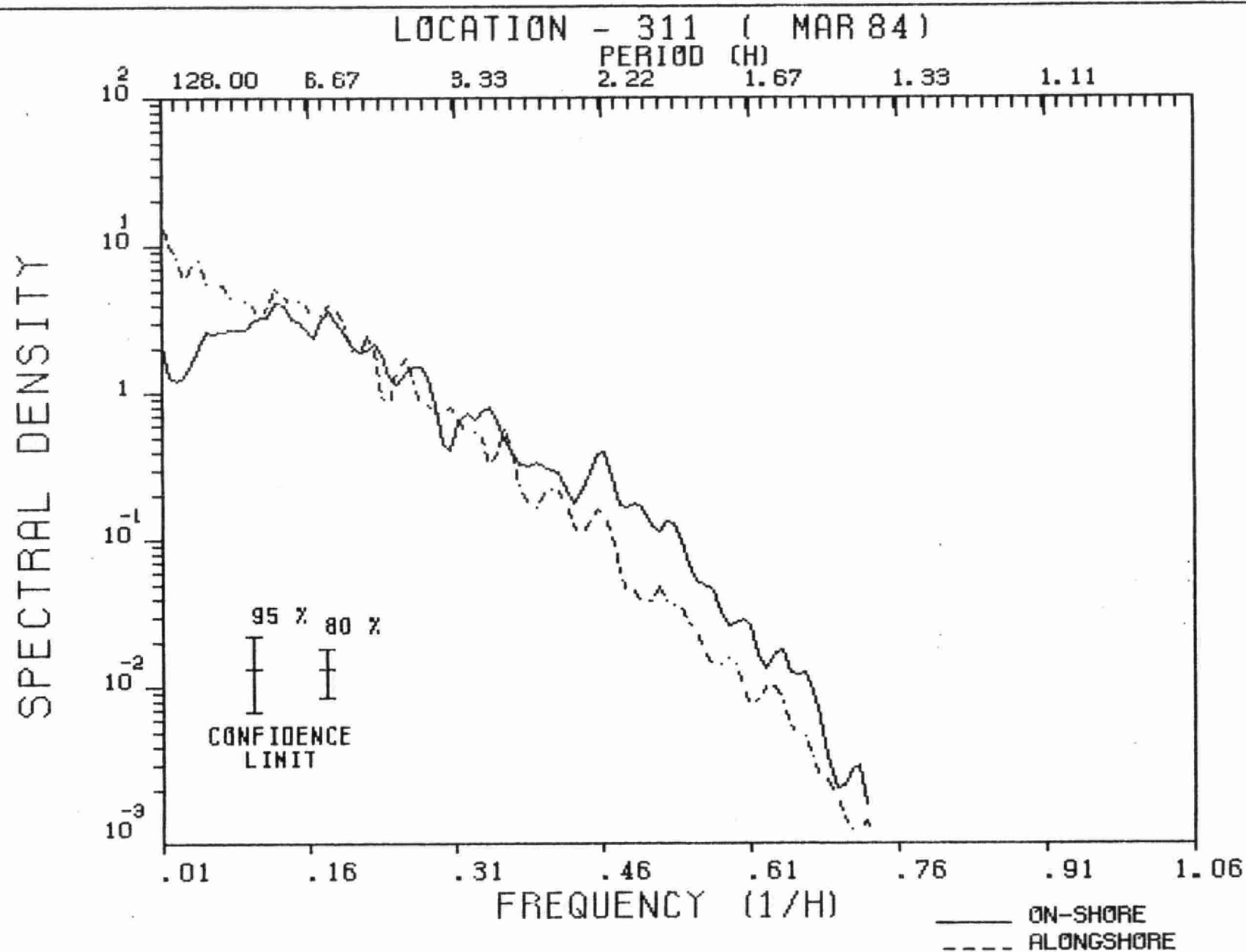


FIG. 4.54 : SPECTRA DENSITY : HUMBER ONTARIO PLACE L. ONT.

LOCATION - 311 ( APR 84)

PERIOD (H)

SPECTRAL DENSITY

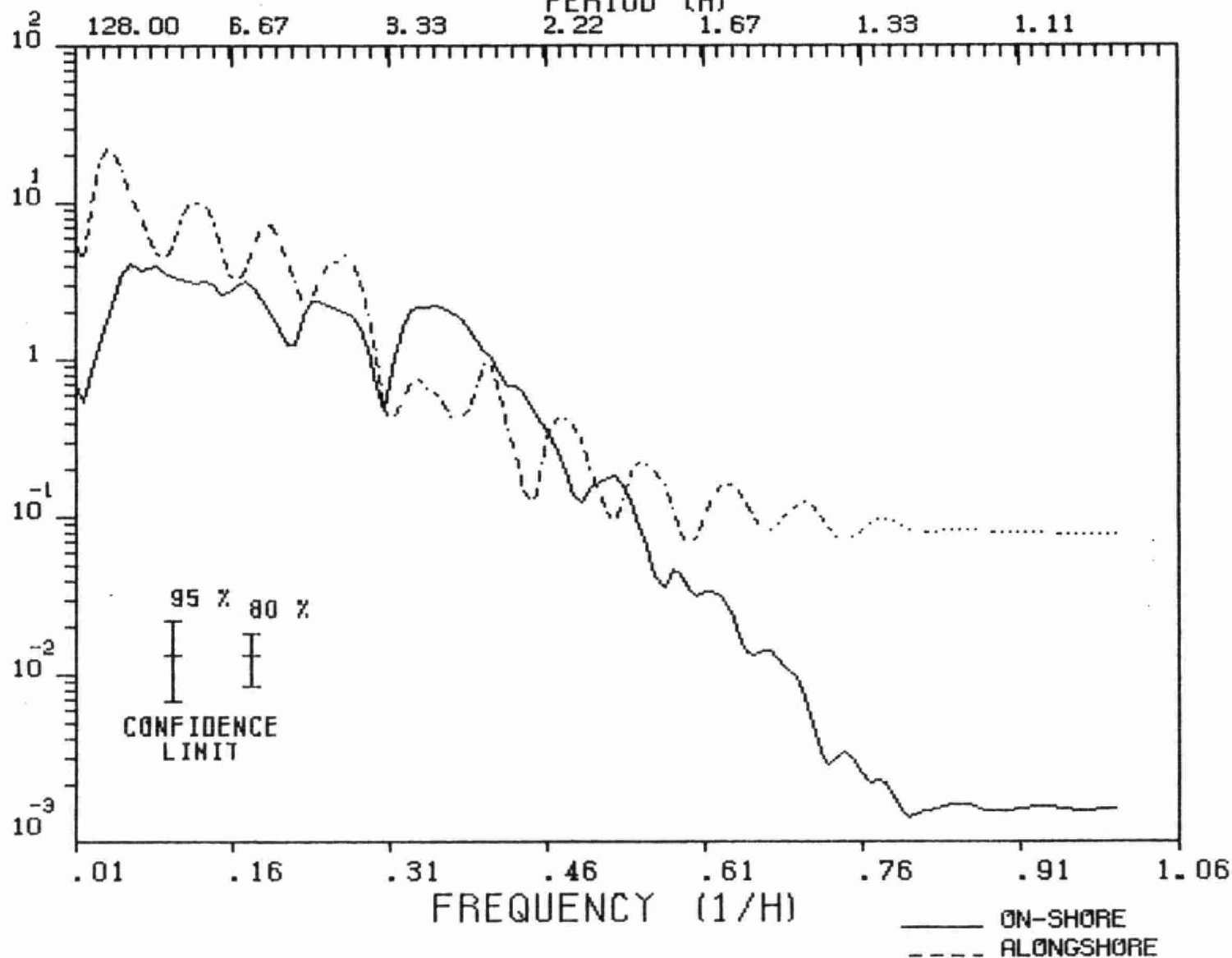


FIG. 4.55 : SPECTRA DENSITY : HUMBER ONTARIO PLACE L. ONT.







(9268)

MOE/HUM/HUM/ANMS

DATE DUE		

MOE/HUM/HUM/ANMS

Kohli, Balbir

Humber Bay

circulation data

report

anms

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